

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121919\  
 Data File : BP001332.D  
 Acq On : 19 Dec 2019 19:19  
 Operator : JU  
 Sample : SSTDICC100  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 20 02:43:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 20 02:37:57 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.30  | 152  | 49914    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.34 | 136  | 160597   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 13.20 | 164  | 92570    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 15.60 | 188  | 185276   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 19.26 | 240  | 152628   | 20.00 | ng    | 0.01     |
| 87) Perylene-d12          | 21.03 | 264  | 160782   | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 6.21  | 112  | 573063   | 190.48 | ng    | 0.01     |
| 7) Phenol-d6                | 7.77  | 99   | 755094   | 188.39 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 830552   | 224.38 | ng    | 0.02     |
| 42) 2,4,6-Tribromophenol    | 14.51 | 330  | 230990   | 260.33 | ng    | 0.02     |
| 45) 2-Fluorobiphenyl        | 12.13 | 172  | 1483349  | 234.52 | ng    | 0.01     |
| 79) Terphenyl-d14           | 17.90 | 244  | 1774906  | 215.15 | ng    | 0.01     |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|--------------------------------|-------|------|----------|---------|-------|--------|
| 2) 1,4-Dioxane                 | 2.53  | 88   | 116617   | 82.986  | ng    | 97     |
| 3) Pyridine                    | 3.36  | 79   | 329470   | 84.492  | ng    | 100    |
| 4) n-Nitrosodimethylamine      | 3.31  | 42   | 209331   | 124.056 | ng    | 99     |
| 6) Aniline                     | 7.79  | 93   | 465442   | 87.584  | ng    | # 74   |
| 8) 2-Chlorophenol              | 7.97  | 128  | 285122   | 91.599  | ng    | 99     |
| 9) Benzaldehyde                | 7.60  | 77   | 204769   | 78.602  | ng    | 98     |
| 10) Phenol                     | 7.79  | 94   | 439599   | 96.422  | ng    | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.92  | 93   | 302252   | 85.137  | ng    | 98     |
| 12) 1,3-Dichlorobenzene        | 8.22  | 146  | 361544   | 97.994  | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 8.33  | 146  | 365054   | 98.223  | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 8.57  | 146  | 346543   | 99.074  | ng    | 99     |
| 15) Benzyl Alcohol             | 8.55  | 79   | 359242   | 109.187 | ng    | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.77  | 45   | 469019   | 82.173  | ng    | 99     |
| 17) 2-Methylphenol             | 8.73  | 107  | 250060   | 87.577  | ng    | 99     |
| 18) Hexachloroethane           | 9.11  | 117  | 154164   | 100.271 | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.99  | 70   | 265632   | 91.845  | ng    | 98     |
| 20) 3+4-Methylphenols          | 8.99  | 107  | 337191   | 93.683  | ng    | 96     |
| 22) Acetophenone               | 8.96  | 105  | 503412   | 106.652 | ng    | 99     |
| 24) Nitrobenzene               | 9.23  | 77   | 407388   | 110.679 | ng    | 97     |
| 25) Isophorone                 | 9.62  | 82   | 663774   | 100.000 | ng    | 99     |
| 26) 2-Nitrophenol              | 9.73  | 139  | 147529   | 109.424 | ng    | 99     |
| 27) 2,4-Dimethylphenol         | 9.83  | 122  | 213502   | 99.974  | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.99  | 93   | 393856   | 94.572  | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 10.13 | 162  | 262229   | 107.886 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.26 | 180  | 324804   | 114.411 | ng    | 98     |
| 31) Naphthalene                | 10.38 | 128  | 869939   | 106.063 | ng    | 99     |
| 32) Benzoic acid               | 10.07 | 122  | 164690   | 106.670 | ng    | 96     |
| 33) 4-Chloroaniline            | 10.47 | 127  | 343133   | 96.404  | ng    | 99     |
| 34) Hexachlorobutadiene        | 10.60 | 225  | 226486   | 126.820 | ng    | 97     |
| 35) Caprolactam                | 11.10 | 113  | 78494    | 93.701  | ng    | 92     |
| 36) 4-Chloro-3-methylphenol    | 11.29 | 107  | 307094   | 106.563 | ng    | 95     |
| 37) 2-Methylnaphthalene        | 11.51 | 142  | 602557   | 107.662 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 11.67 | 142  | 561360   | 106.179 | ng    | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 11.79 | 216  | 344624   | 118.132 | ng    | 100    |

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 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

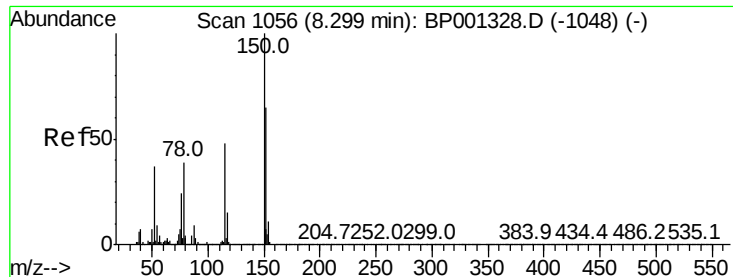
Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 20 02:43:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 11.78 | 237  | 185469   | 137.810 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 11.97 | 196  | 214273   | 112.491 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.04 | 196  | 216172   | 109.532 | nq    | 99       |
| 46) 1,1'-Biphenyl              | 12.29 | 154  | 773871   | 108.171 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 12.30 | 162  | 625721   | 109.496 | nq    | 99       |
| 48) 2-Nitroaniline             | 12.47 | 65   | 248478   | 110.945 | nq    | 99       |
| 49) Acenaphthylene             | 12.98 | 152  | 906069   | 105.777 | nq    | 99       |
| 50) Dimethylphthalate          | 12.82 | 163  | 752713   | 108.721 | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 12.89 | 165  | 153613   | 103.649 | nq    | 97       |
| 52) Acenaphthene               | 13.27 | 154  | 545533   | 105.874 | nq    | 99       |
| 53) 3-Nitroaniline             | 13.16 | 138  | 159436   | 95.766  | nq    | 100      |
| 54) 2,4-Dinitrophenol          | 13.33 | 184  | 73855    | 142.107 | nq    | 96       |
| 55) Dibenzofuran               | 13.55 | 168  | 856905   | 110.671 | nq    | 99       |
| 56) 4-Nitrophenol              | 13.45 | 139  | 120476   | 102.123 | nq    | 99       |
| 57) 2,4-Dinitrotoluene         | 13.55 | 165  | 214937   | 115.702 | nq    | 94       |
| 58) Fluorene                   | 14.12 | 166  | 692825   | 111.668 | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 13.69 | 232  | 180914   | 111.515 | nq    | 96       |
| 60) Diethylphthalate           | 13.97 | 149  | 771748   | 107.656 | nq    | 100      |
| 61) 4-Chlorophenyl-phenylether | 14.13 | 204  | 361948   | 114.563 | nq    | 97       |
| 62) 4-Nitroaniline             | 12.47 | 138  | 190079   | 98.477  | nq    | 99       |
| 63) Azobenzene                 | 14.39 | 77   | 804986   | 103.885 | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 14.22 | 198  | 93474    | 126.338 | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 14.33 | 169  | 573623   | 101.896 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 14.93 | 248  | 216072   | 107.420 | nq    | 97       |
| 68) Hexachlorobenzene          | 15.01 | 284  | 245108   | 110.839 | nq    | 97       |
| 69) Atrazine                   | 15.22 | 200  | 193306   | 112.462 | nq    | 97       |
| 70) Pentachlorophenol          | 15.32 | 266  | 135470   | 117.538 | nq    | 94       |
| 71) Phenanthrene               | 15.65 | 178  | 1034863  | 106.242 | nq    | 100      |
| 72) Anthracene                 | 15.73 | 178  | 1023210  | 106.576 | nq    | 100      |
| 73) Carbazole                  | 15.97 | 167  | 901320   | 103.170 | nq    | 99       |
| 74) Di-n-butylphthalate        | 16.52 | 149  | 1255426  | 106.880 | nq    | 99       |
| 75) Fluoranthene               | 17.36 | 202  | 1161331  | 112.620 | nq    | 100      |
| 77) Benzidine                  | 17.54 | 184  | 410911   | 104.273 | nq    | # 91     |
| 78) Pyrene                     | 17.66 | 202  | 1184415  | 98.526  | nq    | 99       |
| 80) Butylbenzylphthalate       | 18.54 | 149  | 552013   | 99.418  | nq    | 98       |
| 81) Benzo(a)anthracene         | 19.24 | 228  | 1100587  | 104.003 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 19.22 | 252  | 350589   | 100.284 | nq    | 100      |
| 83) Chrysene                   | 19.29 | 228  | 1071331  | 113.056 | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 19.29 | 149  | 826572   | 108.276 | nq    | 98       |
| 85) Di-n-octyl phthalate       | 20.07 | 149  | 1337844  | 98.654  | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 22.69 | 276  | 1141165  | 102.184 | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 20.54 | 252  | 1056245  | 107.555 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 20.59 | 252  | 1009905  | 106.771 | nq    | 100      |
| 90) Benzo(a)pyrene             | 20.97 | 252  | 970971   | 107.341 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 22.72 | 278  | 939597   | 106.142 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 23.19 | 276  | 888237   | 101.616 | nq    | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.30 min Scan# 1057

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

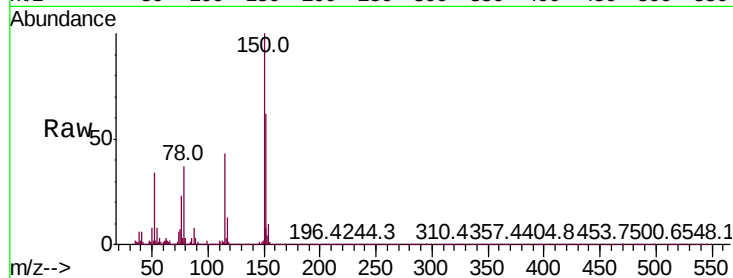
Tot Ion:152 Resp: 49914

Ion Ratio Lower Upper

152 100

150 161.1 124.0 186.0

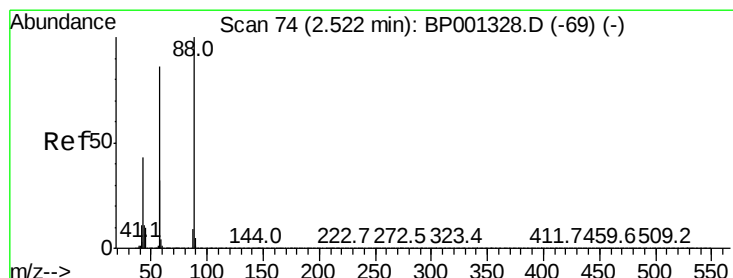
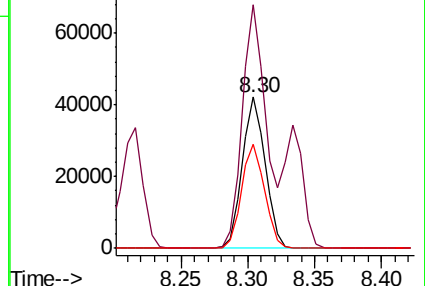
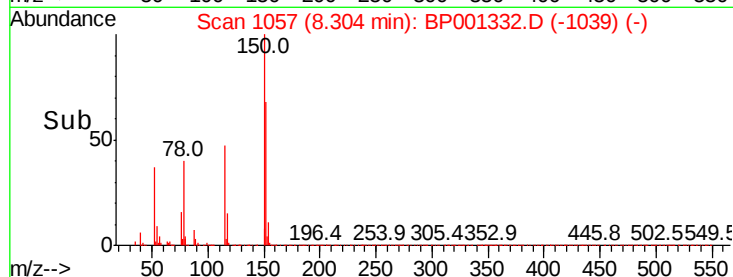
115 68.8 59.3 88.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 82.986 ng

RT: 2.53 min Scan# 75

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

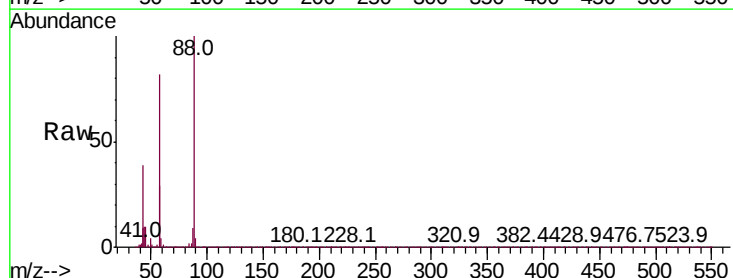
Tgt Ion: 88 Resp: 116617

Ion Ratio Lower Upper

88 100

58 83.9 69.6 104.4

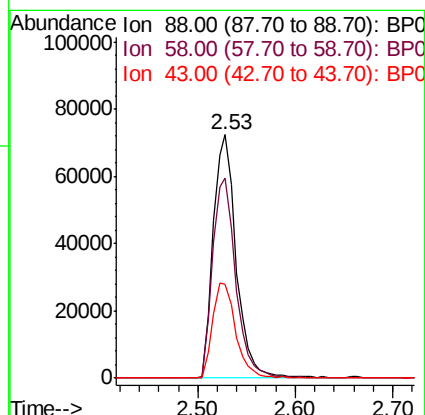
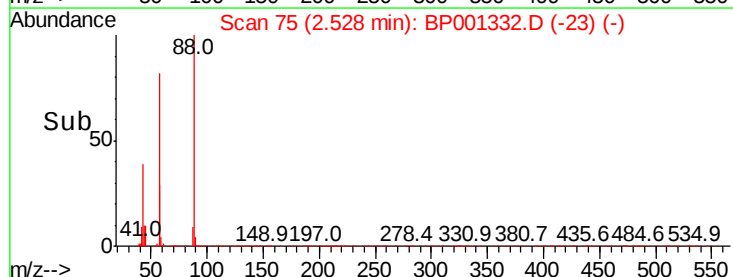
43 40.1 33.7 50.5

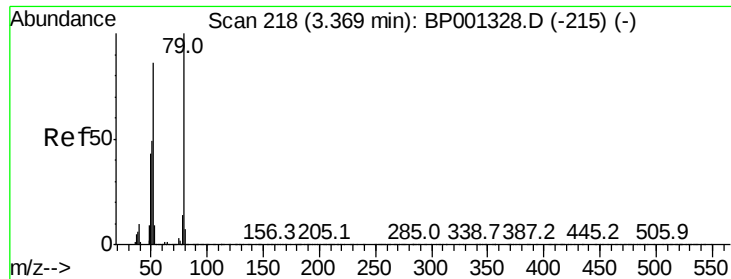


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0





#3

Pvridine

Concen: 84.492 ng

RT: 3.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampled :

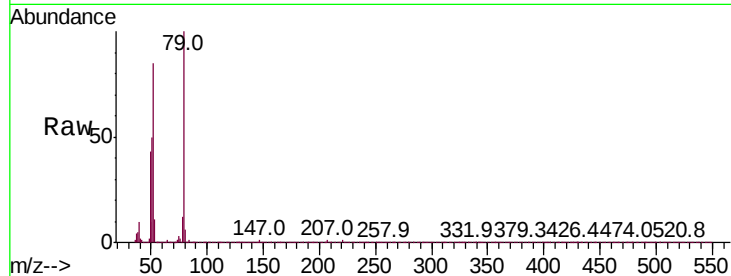
Tot Ion: 79 Resp: 329470

Ion Ratio Lower Upper

79 100

52 85.4 68.5 102.7

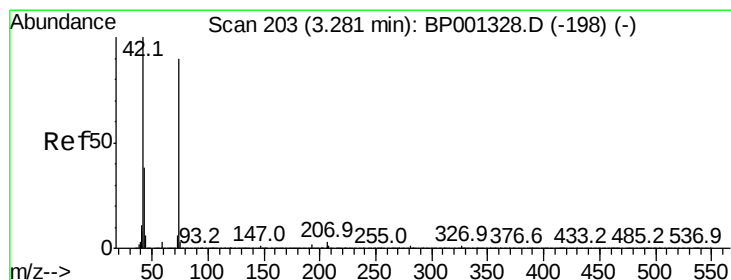
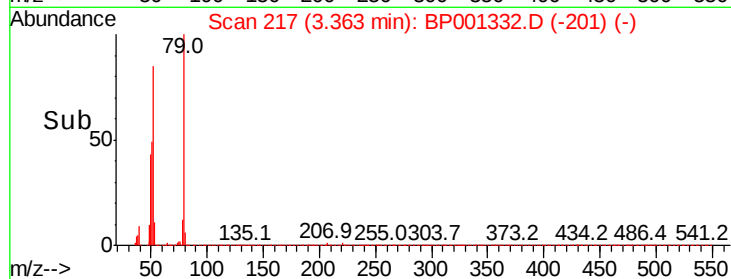
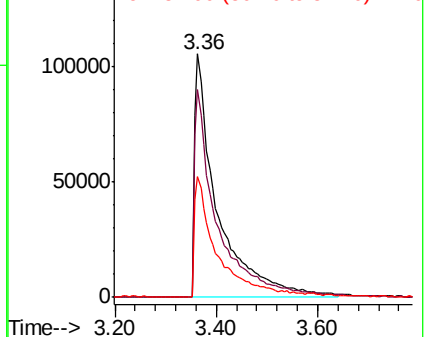
51 49.6 39.5 59.3



Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 52.00 (51.70 to 52.70): BP0

Ion 51.00 (50.70 to 51.70): BP0



#4

n-Nitrosodimethylamine

Concen: 124.056 ng

RT: 3.31 min Scan# 208

Delta R.T. 0.03 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

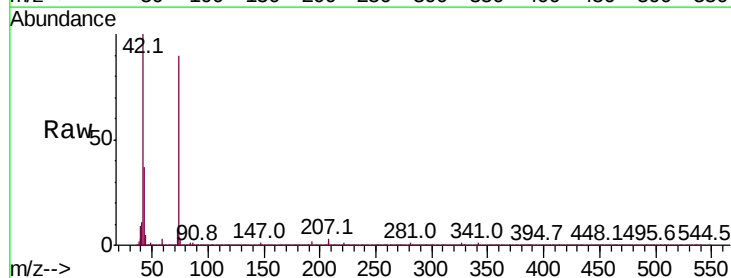
Tgt Ion: 42 Resp: 209331

Ion Ratio Lower Upper

42 100

74 89.6 72.2 108.4

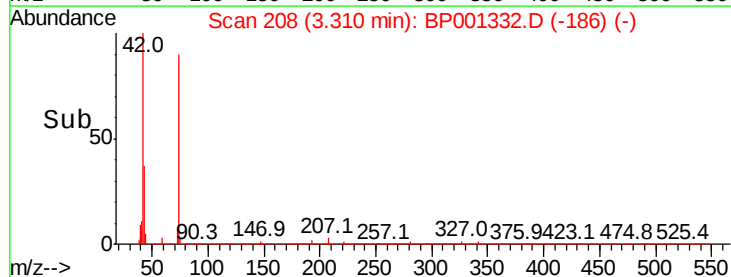
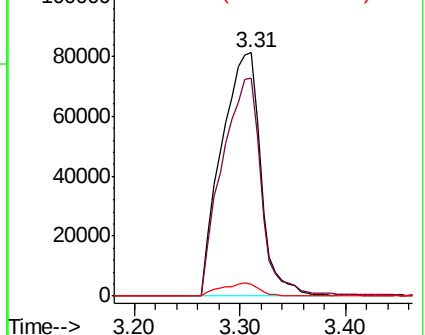
44 5.0 4.5 6.7

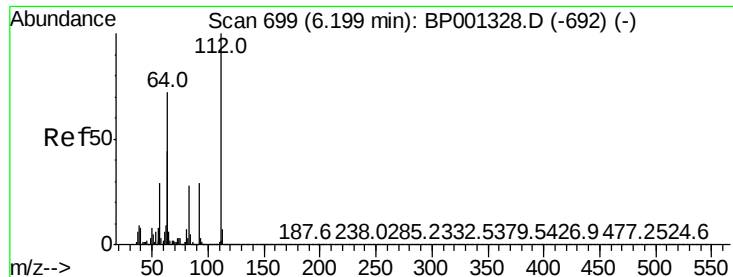


Abundance Ion 42.00 (41.70 to 42.70): BP0

Ion 74.00 (73.70 to 74.70): BP0

Ion 44.00 (43.70 to 44.70): BP0





#5

2-Fluorophenol

Concen: 190.479 ng

RT: 6.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

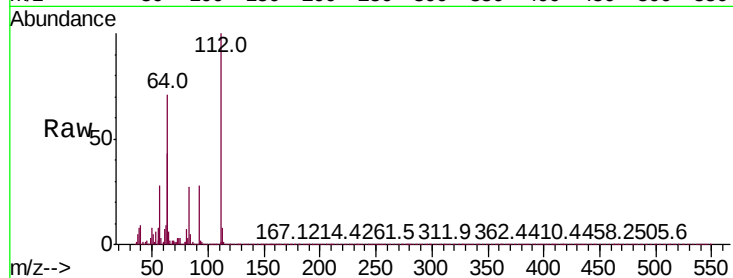
Tot Ion:112 Resp: 573063

Ion Ratio Lower Upper

112 100

64 70.9 57.6 86.4

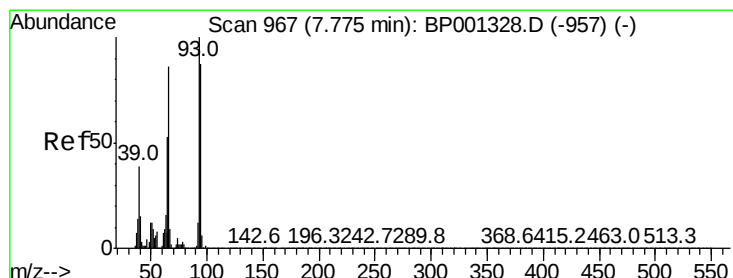
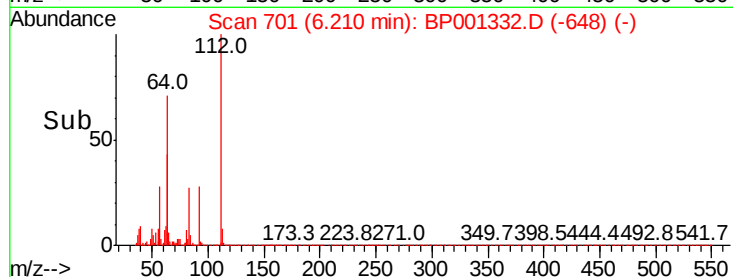
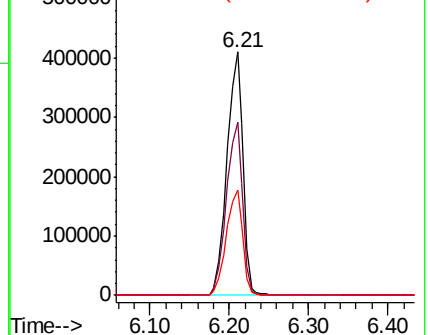
63 43.2 35.1 52.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 87.584 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

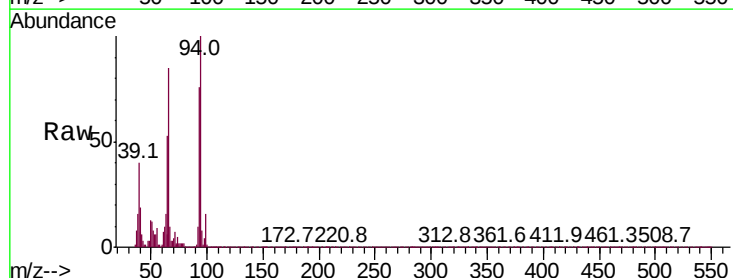
Tgt Ion: 93 Resp: 465442

Ion Ratio Lower Upper

93 100

66 111.8 69.0 103.6#

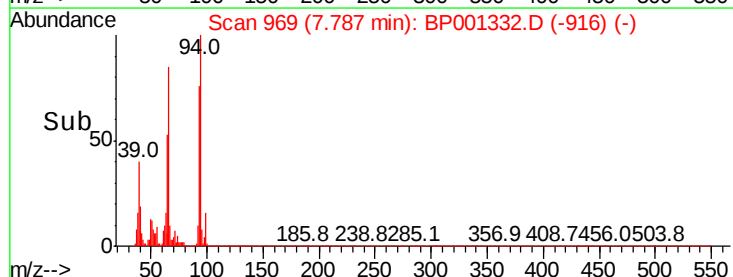
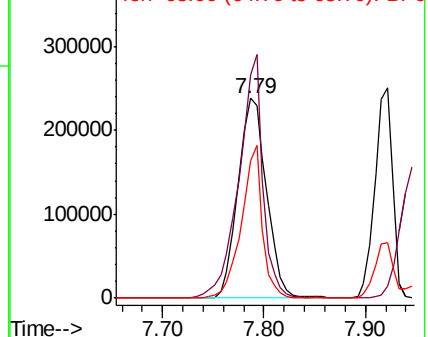
65 69.0 42.2 63.4#

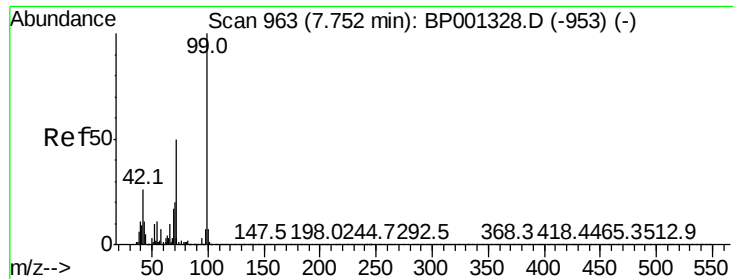


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 188.392 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.02 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

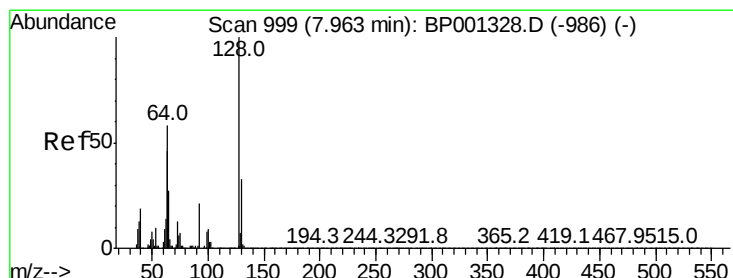
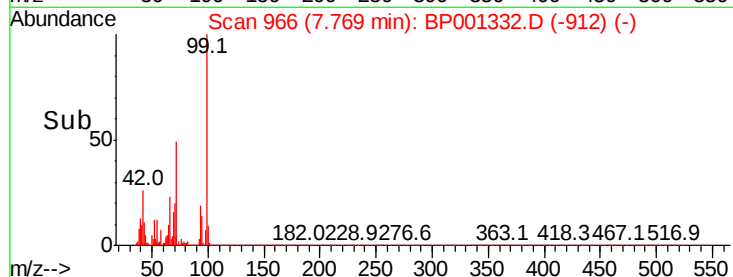
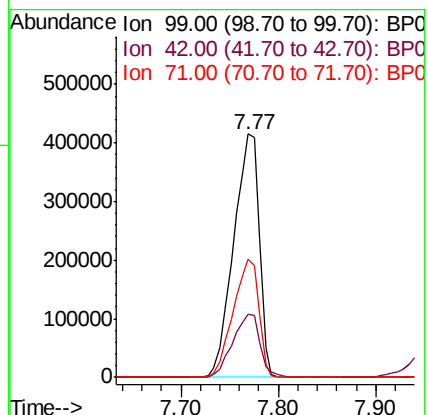
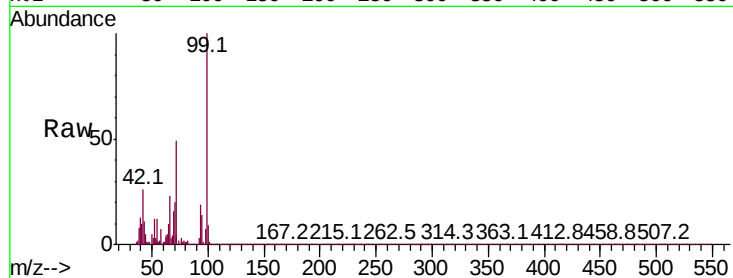
Tot Ion: 99 Resp: 755094

Ion Ratio Lower Upper

99 100

42 25.9 20.9 31.3

71 48.6 40.0 60.0



#8

2-Chlorophenol

Concen: 91.599 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

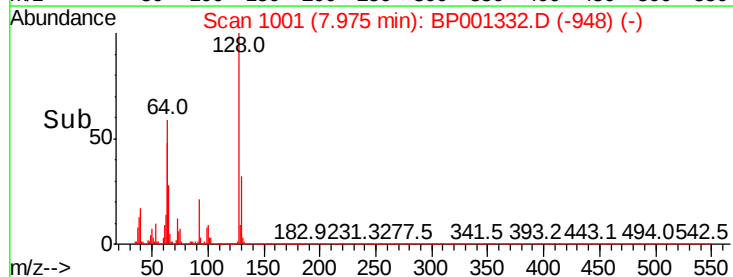
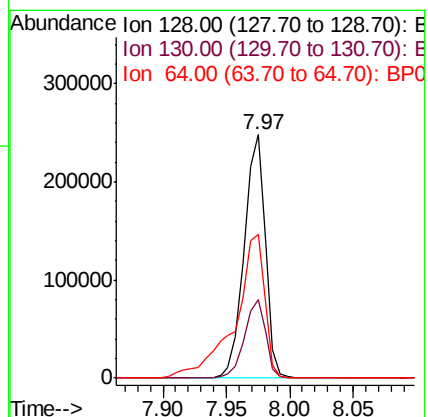
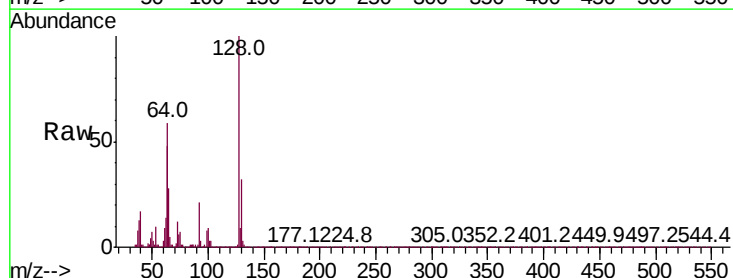
Tgt Ion: 128 Resp: 285122

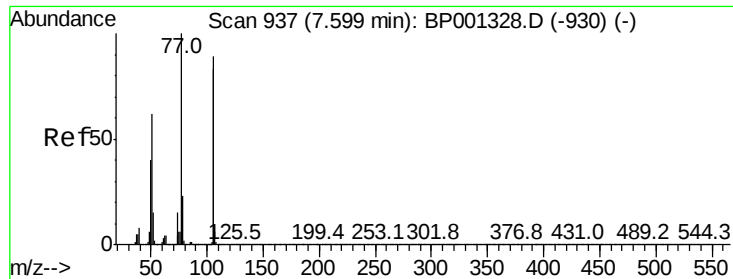
Ion Ratio Lower Upper

128 100

130 32.5 13.5 53.5

64 59.0 38.2 78.2

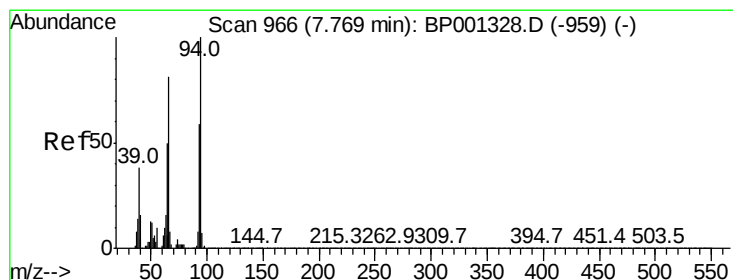
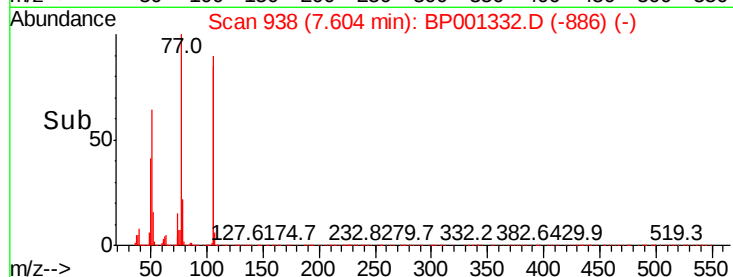
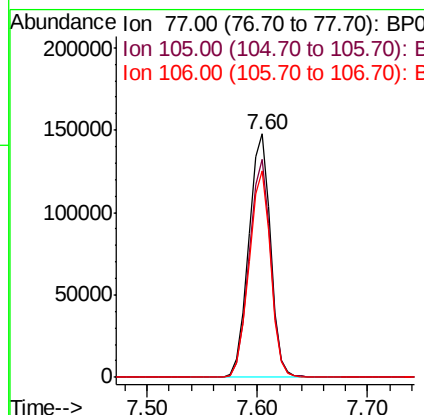
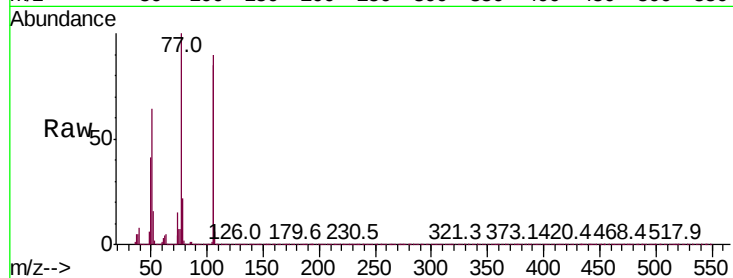




#9  
Benzaldehyde  
Concen: 78.602 ng  
RT: 7.60 min Scan# 938  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

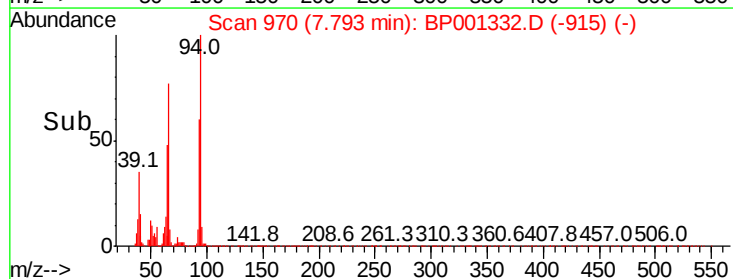
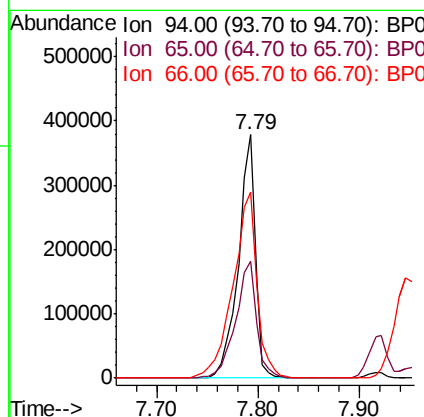
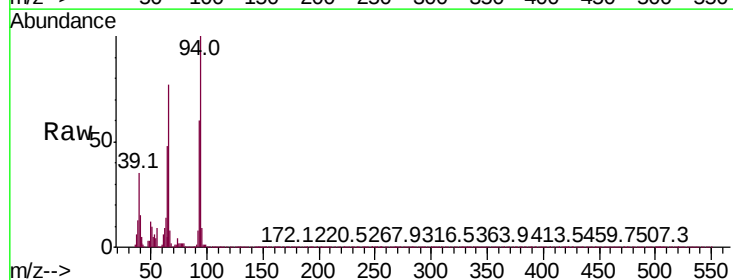
Instrument :  
BNA\_P  
ClientSampleId :

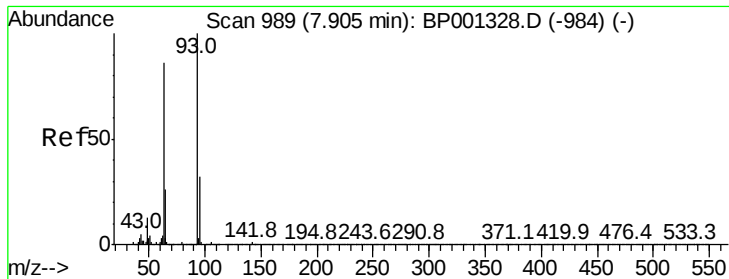
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 89.5  | 68.6  | 108.6 |
| 106     | 84.9  | 62.5  | 102.5 |



#10  
Phenol  
Concen: 96.422 ng  
RT: 7.79 min Scan# 970  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 47.9  | 30.4  | 70.4  |
| 66      | 76.6  | 62.0  | 102.0 |

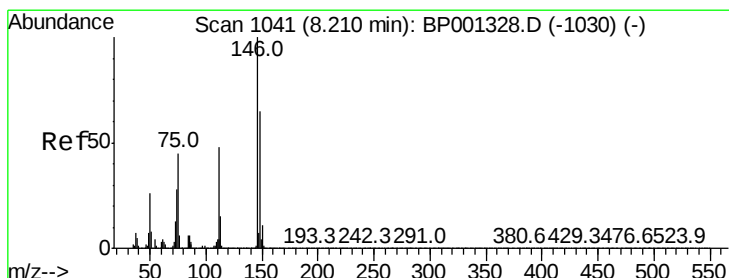
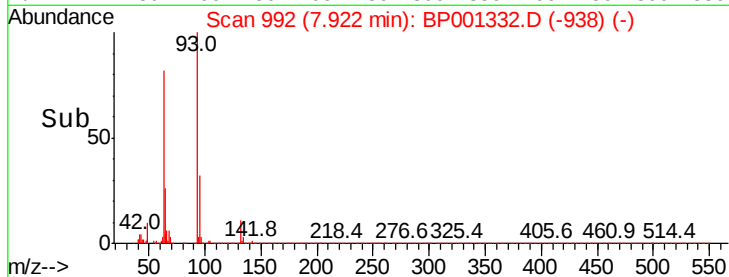
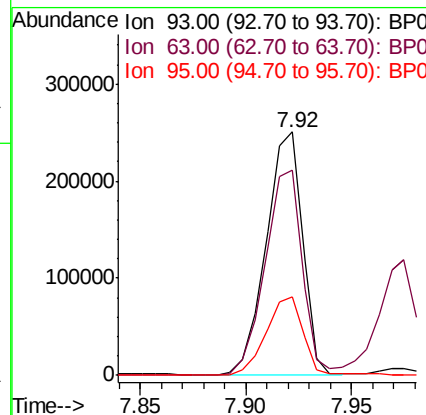
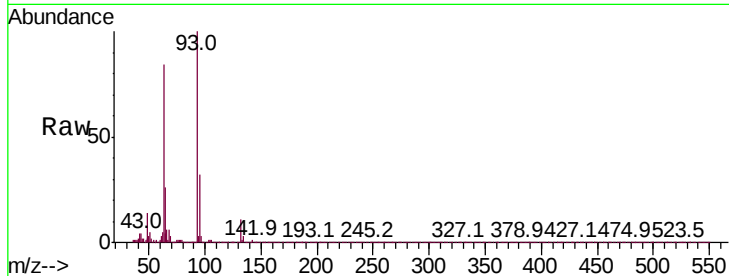




#11  
bis(2-Chloroethyl)ether  
Concen: 85.137 ng  
RT: 7.92 min Scan# 992  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

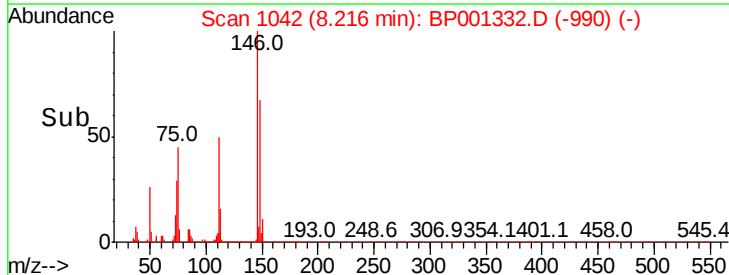
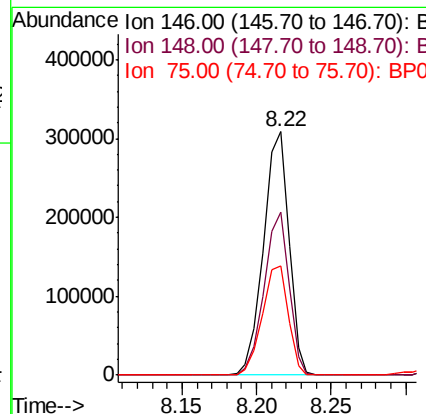
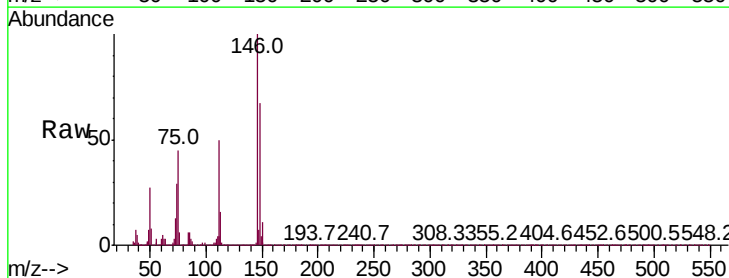
Instrument :  
BNA\_P  
ClientSampleId :

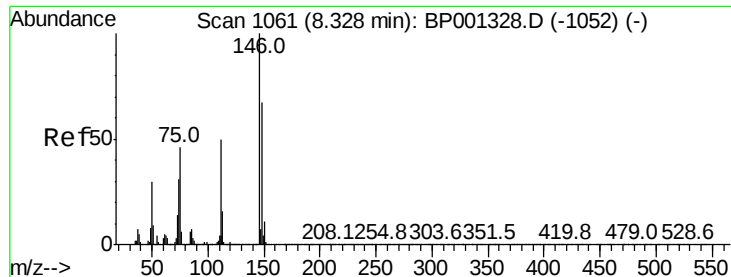
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 302252 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 84.3  | 66.2  | 106.2  |
| 95       | 32.5  | 12.2  | 52.2   |



#12  
1,3-Dichlorobenzene  
Concen: 97.994 ng  
RT: 8.22 min Scan# 1042  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 361544 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 67.0  | 51.9  | 77.9   |
| 75       | 44.8  | 36.2  | 54.4   |





#13

1,4-Dichlorobenzene

Concen: 98.223 ng

RT: 8.33 min Scan# 1062

Delta R.T. 0.01 min

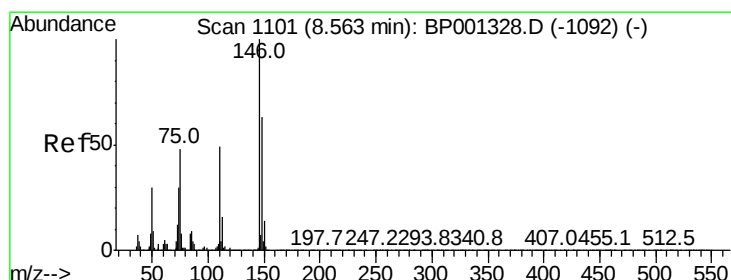
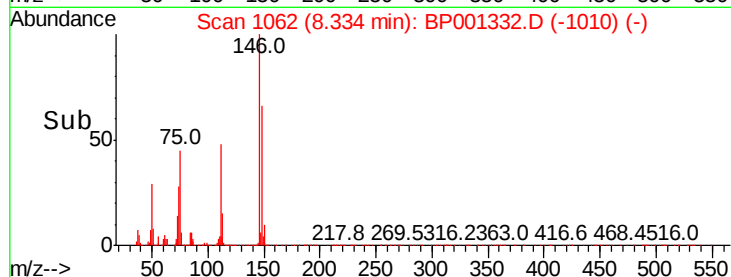
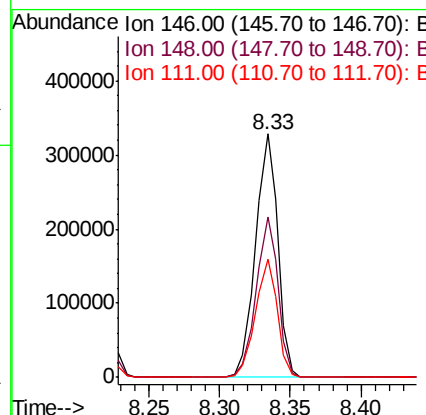
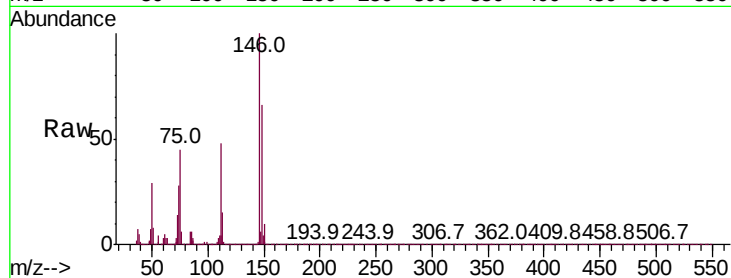
Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:146 Resp: 365054

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 66.1  | 53.3  | 79.9  |
| 111 | 48.4  | 40.2  | 60.4  |



#14

1,2-Dichlorobenzene

Concen: 99.074 ng

RT: 8.57 min Scan# 1103

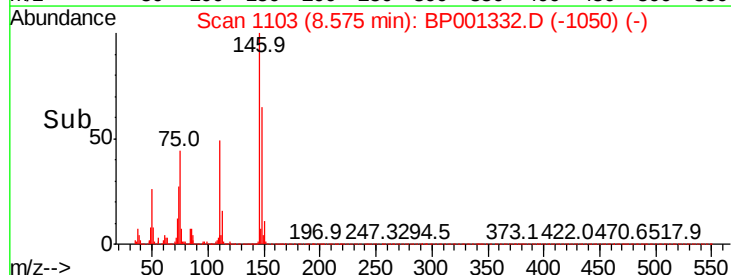
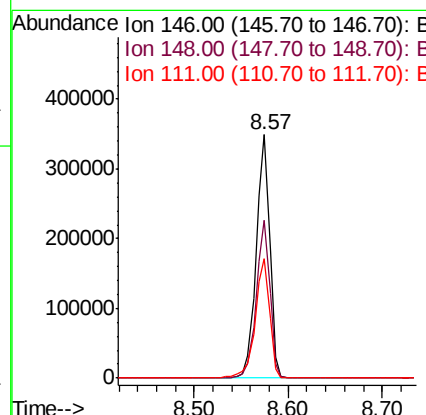
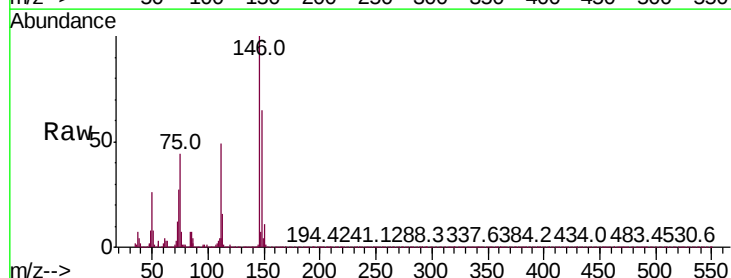
Delta R.T. 0.01 min

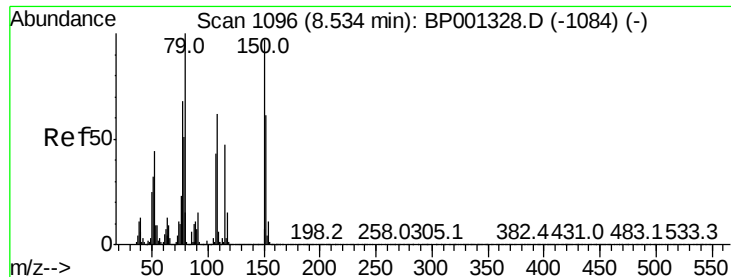
Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Tgt Ion:146 Resp: 346543

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.7  | 50.8  | 76.2  |
| 111 | 48.8  | 39.4  | 59.2  |

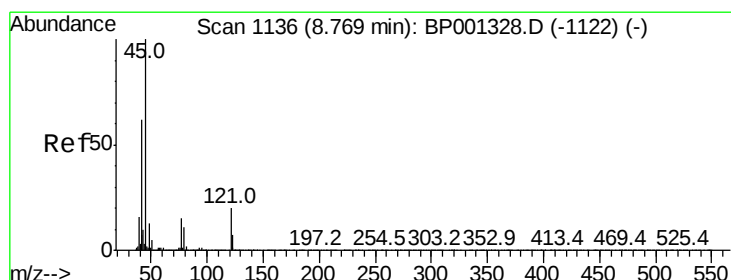
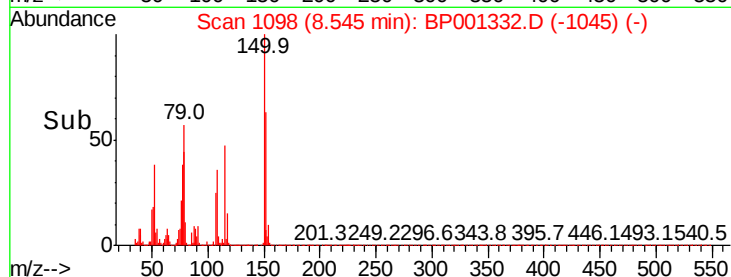
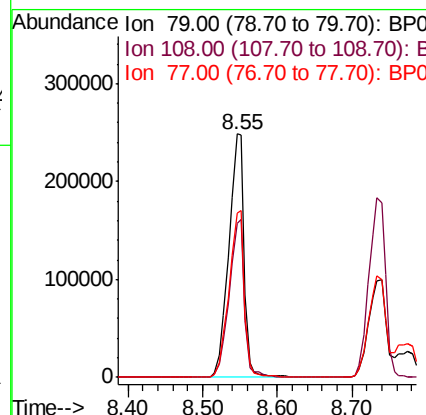
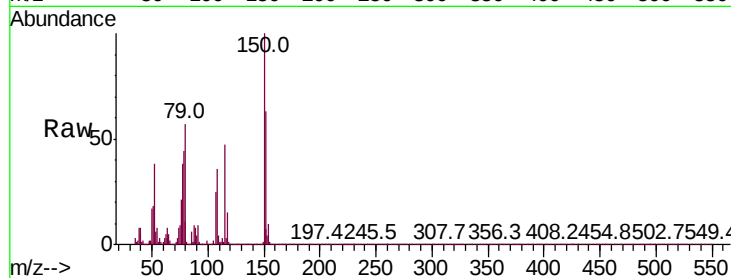




#15  
Benzyl Alcohol  
Concen: 109.187 ng  
RT: 8.55 min Scan# 1098  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

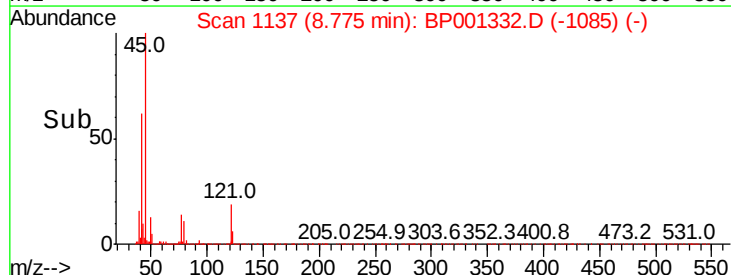
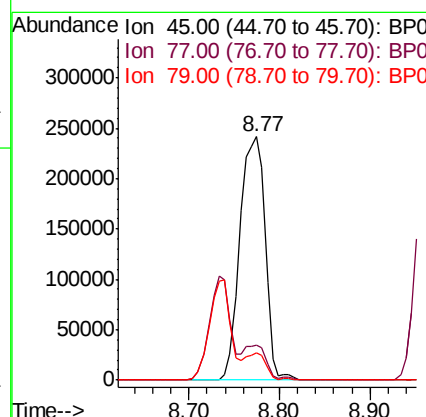
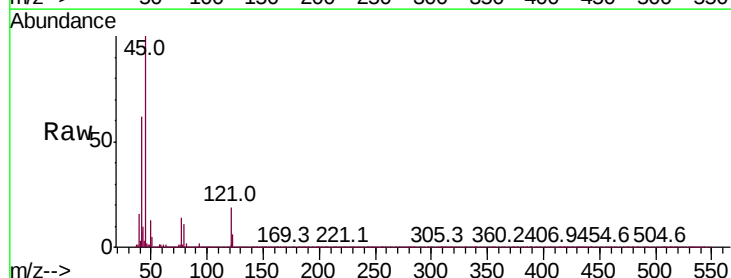
Instrument :  
BNA\_P  
ClientSampleId :

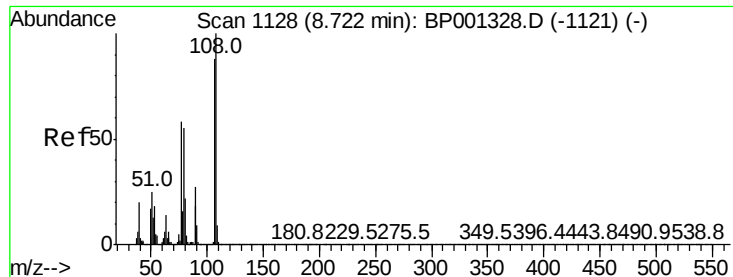
Tot Ion: 79 Resp: 359242  
Ion Ratio Lower Upper  
79 100  
108 63.1 49.3 73.9  
77 67.2 54.4 81.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 82.173 ng  
RT: 8.77 min Scan# 1137  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion: 45 Resp: 469019  
Ion Ratio Lower Upper  
45 100  
77 14.4 0.0 34.8  
79 11.0 0.0 31.2





#17

2-Methylphenol

Concen: 87.577 ng

RT: 8.73 min Scan# 1130

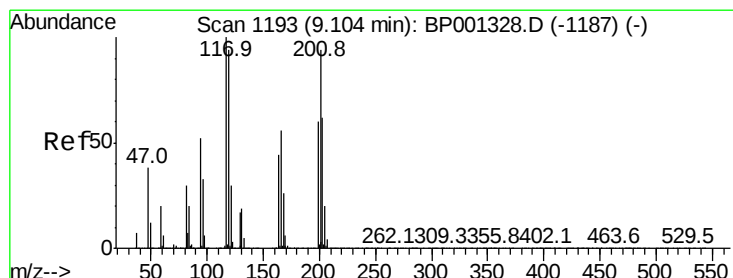
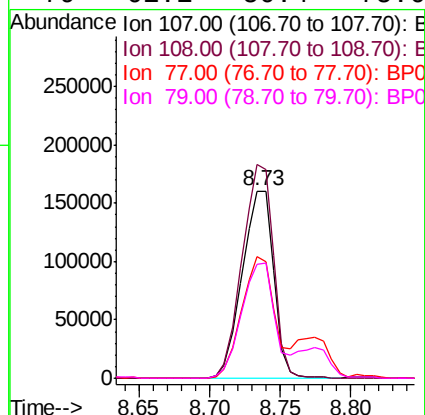
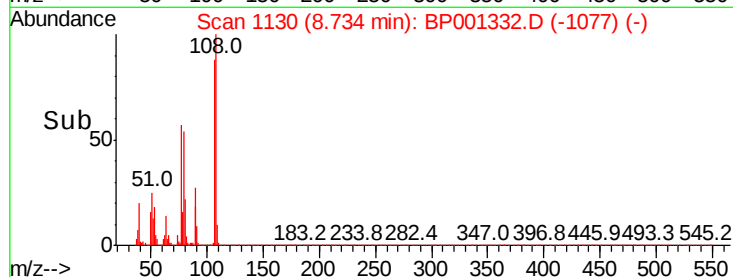
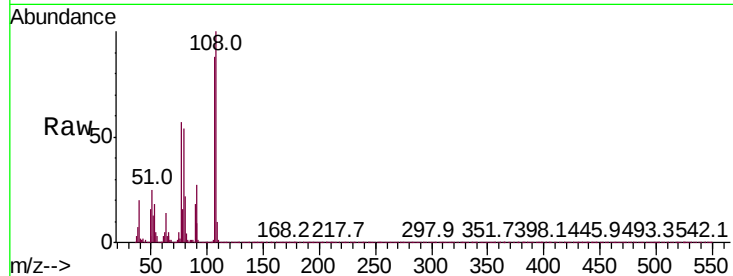
Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :  
BNA\_P  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 250060 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 114.3 | 90.7  | 136.1  |
| 77       | 64.8  | 52.7  | 79.1   |
| 79       | 61.1  | 50.4  | 75.6   |



#18

Hexachloroethane

Concen: 100.271 ng

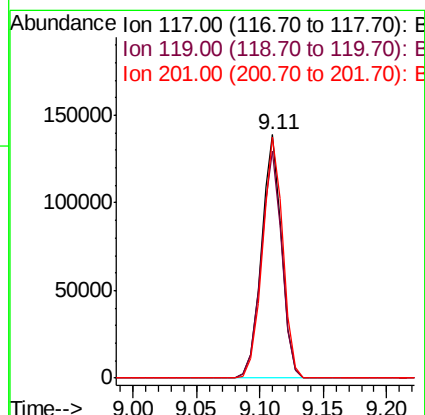
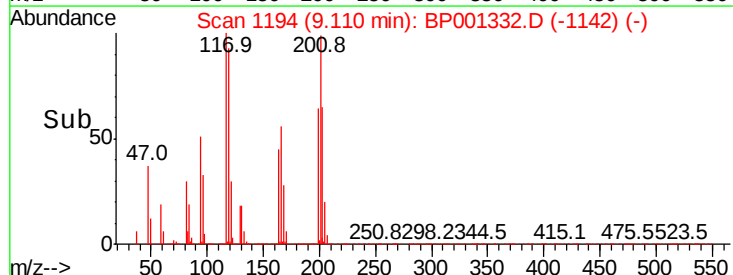
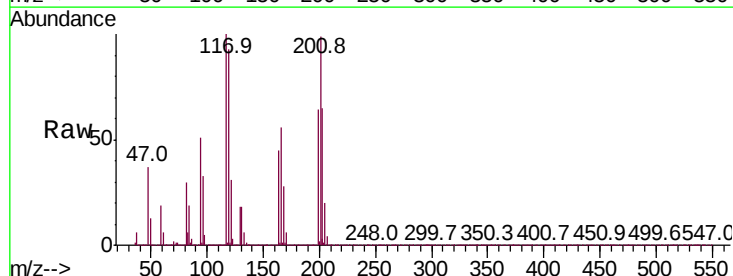
RT: 9.11 min Scan# 1194

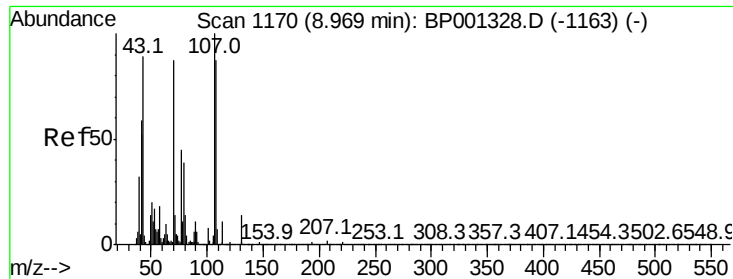
Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 154164 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.4  | 75.0  | 112.4  |
| 201      | 99.3  | 75.6  | 113.4  |





#19

n-Nitroso-di-n-propylamine

Concen: 91.845 ng

RT: 8.99 min Scan# 1174

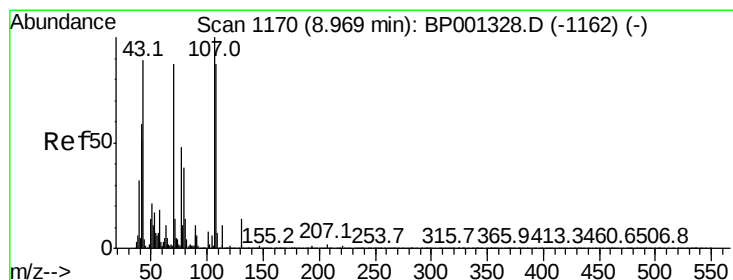
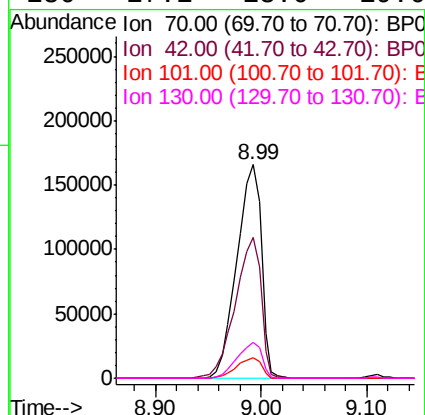
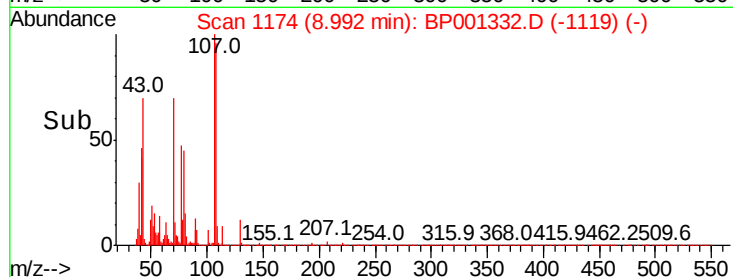
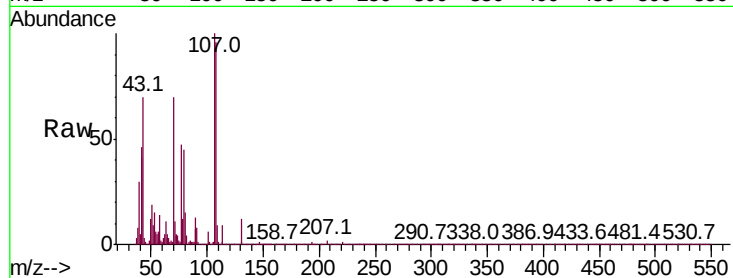
Delta R.T. 0.02 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :  
BNA\_P  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 265632 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 66.1  | 54.1  | 81.1   |
| 101      | 9.3   | 7.0   | 10.4   |
| 130      | 17.1  | 13.0  | 19.6   |



#20

3+4-Methylphenols

Concen: 93.683 ng

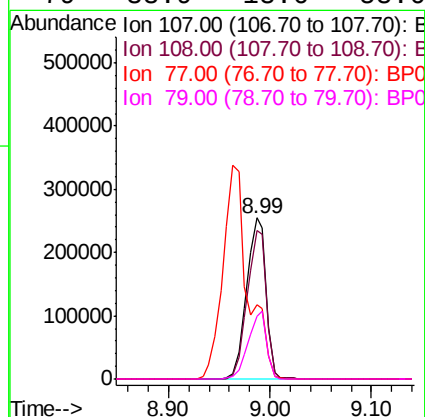
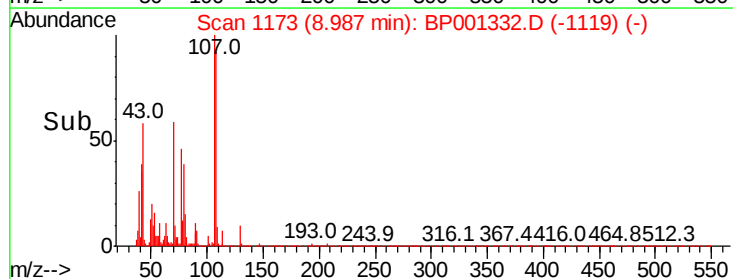
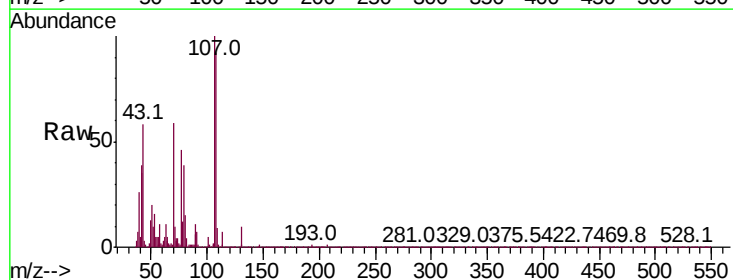
RT: 8.99 min Scan# 1173

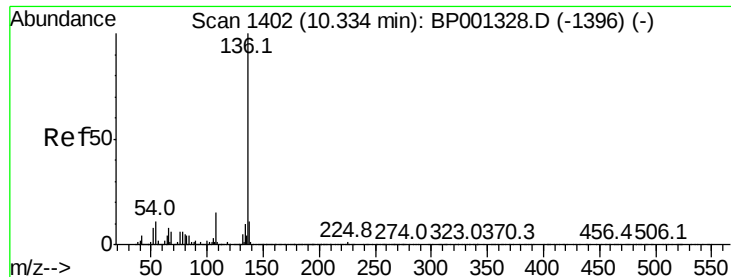
Delta R.T. 0.02 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 337191 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 92.2  | 67.2  | 107.2  |
| 77       | 46.3  | 28.0  | 68.0   |
| 79       | 38.9  | 18.6  | 58.6   |

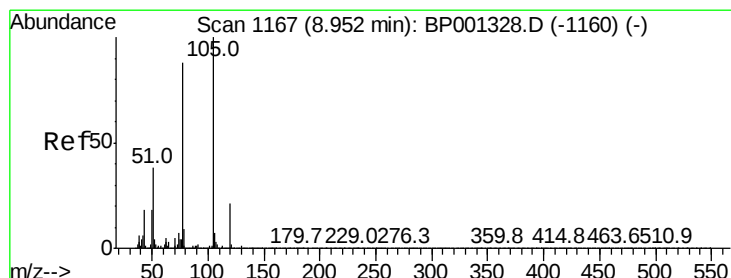
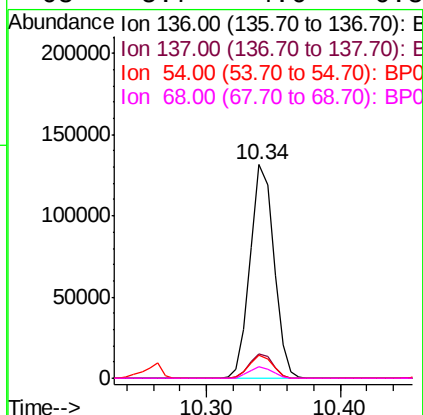
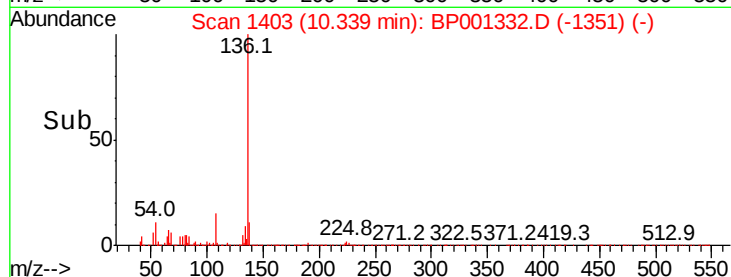
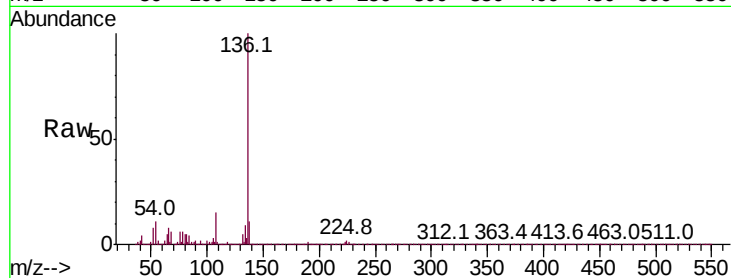




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

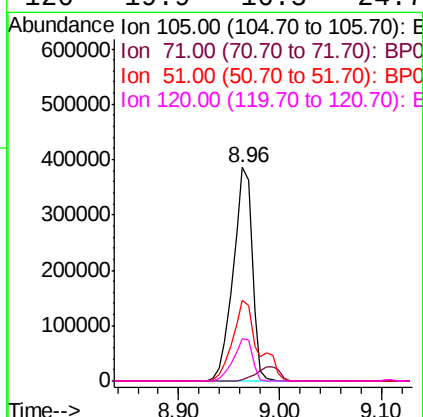
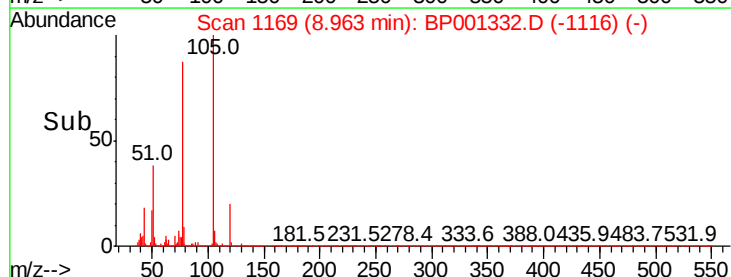
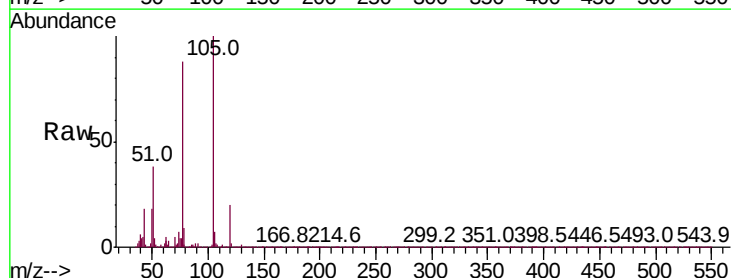
Instrument :  
BNA\_P  
ClientSampleId :

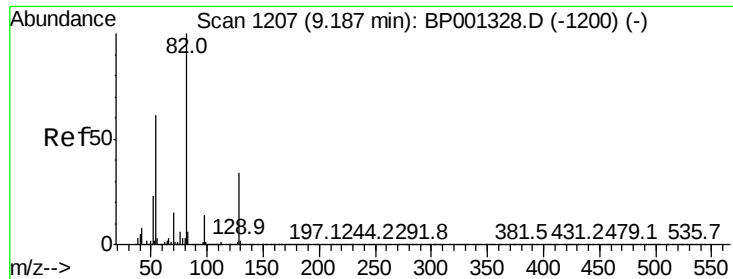
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 160597 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.8   | 13.2   |
| 54       | 11.0  | 8.8   | 13.2   |
| 68       | 5.7   | 4.6   | 6.8    |



#22  
Acetophenone  
Concen: 106.652 ng  
RT: 8.96 min Scan# 1169  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 503412 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.8   | 0.8   | 1.2    |
| 51       | 37.6  | 30.6  | 45.8   |
| 120      | 19.9  | 16.5  | 24.7   |

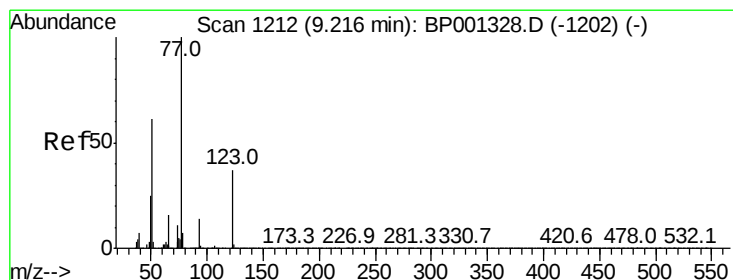
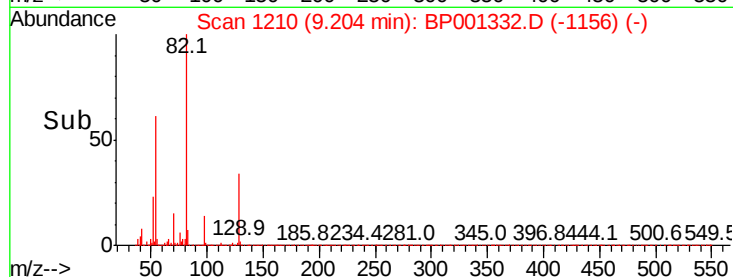
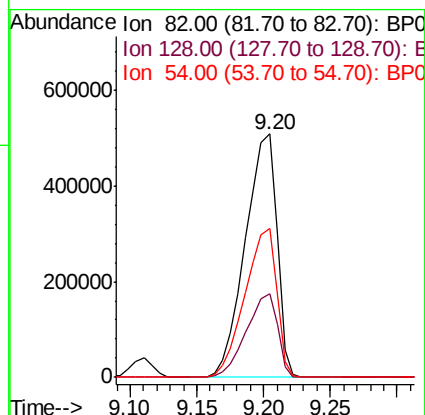
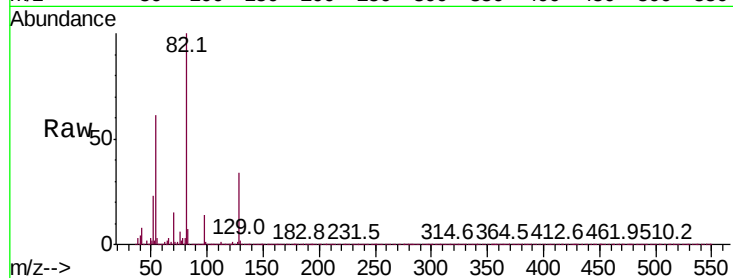




#23  
Nitrobenzene-d5  
Concen: 224.377 ng  
RT: 9.20 min Scan# 1210  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

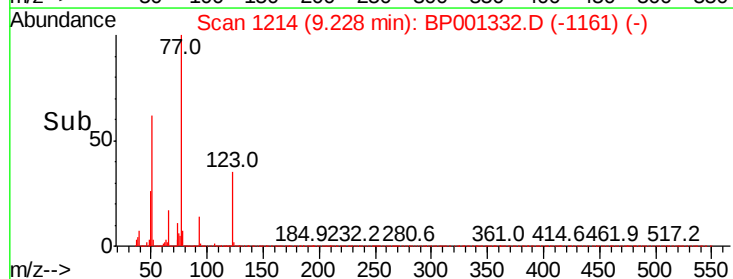
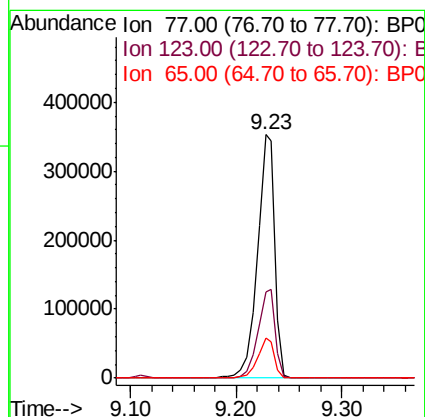
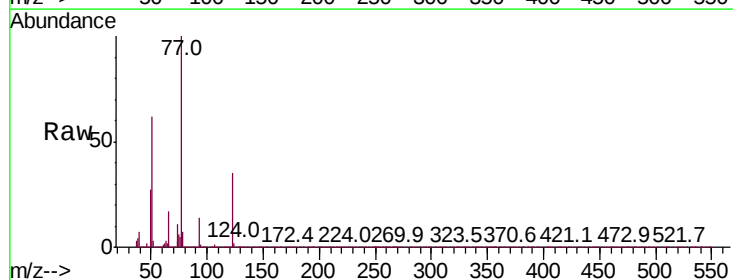
Instrument :  
BNA\_P  
ClientSampleId :

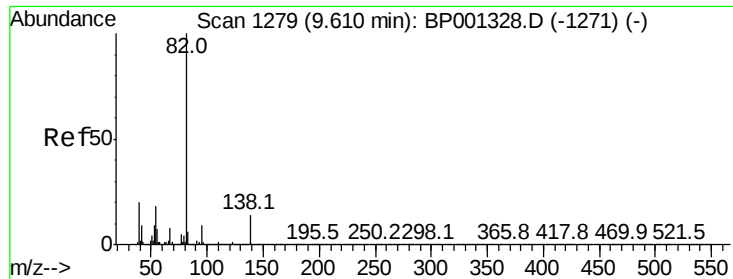
Tot Ion: 82 Resp: 830552  
Ion Ratio Lower Upper  
82 100  
128 34.4 27.0 40.4  
54 61.3 49.0 73.4



#24  
Nitrobenzene  
Concen: 110.679 ng  
RT: 9.23 min Scan# 1214  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion: 77 Resp: 407388  
Ion Ratio Lower Upper  
77 100  
123 35.2 29.4 44.0  
65 16.5 12.4 18.6





#25

Isophorone

Concen: 100.000 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampled :

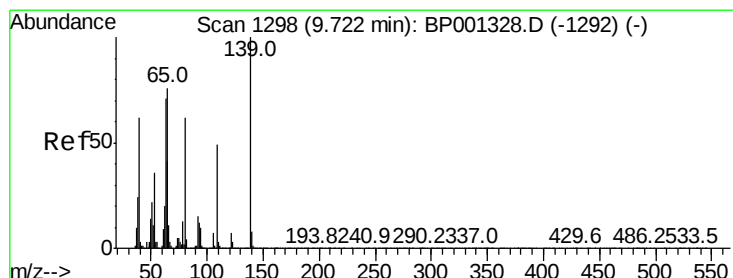
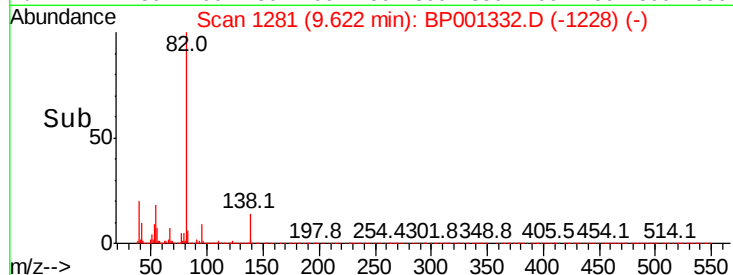
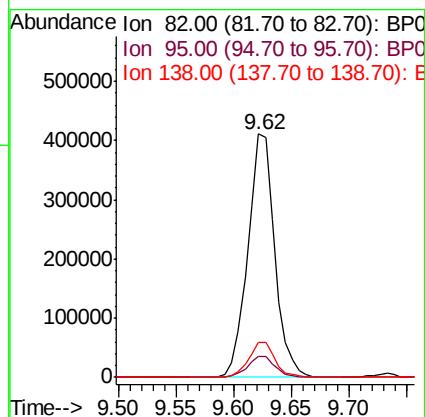
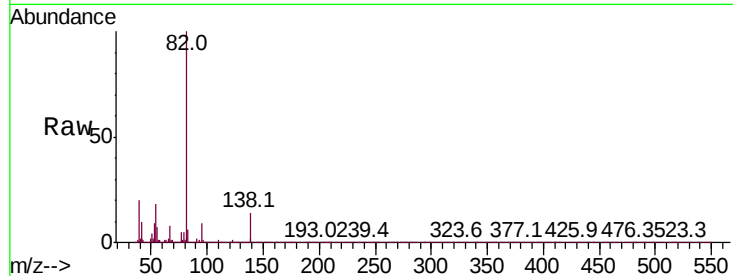
Tot Ion: 82 Resp: 663774

Ion Ratio Lower Upper

82 100

95 8.8 7.3 10.9

138 14.2 11.5 17.3



#26

2-Nitrophenol

Concen: 109.424 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

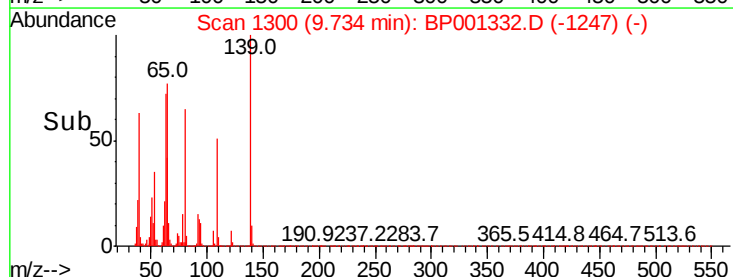
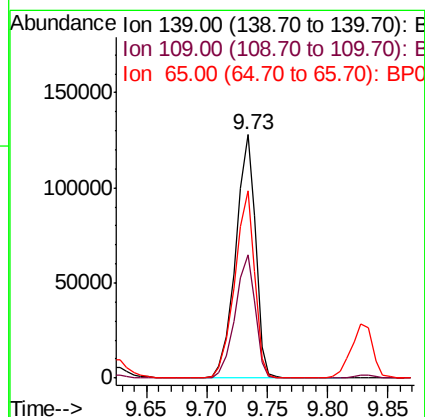
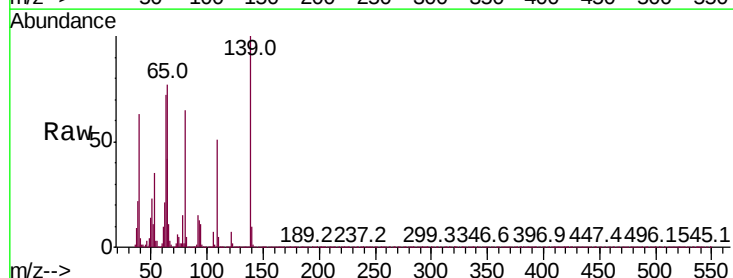
Tgt Ion: 139 Resp: 147529

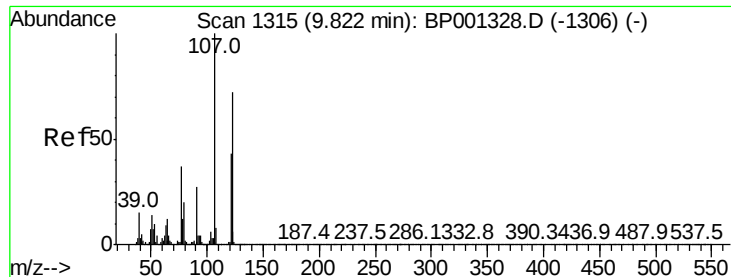
Ion Ratio Lower Upper

139 100

109 50.9 39.1 58.7

65 76.8 61.2 91.8





#27

2,4-Dimethylphenol

Concen: 99.974 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

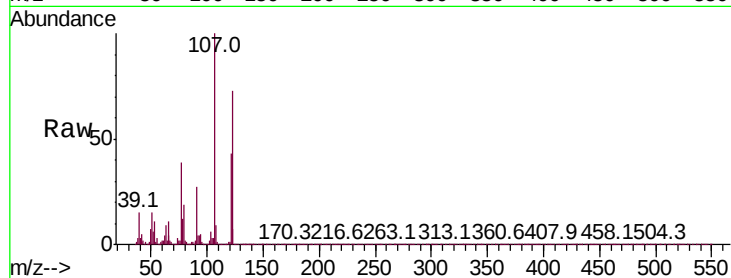
Tot Ion:122 Resp: 213502

Ion Ratio Lower Upper

122 100

107 137.3 111.9 167.9

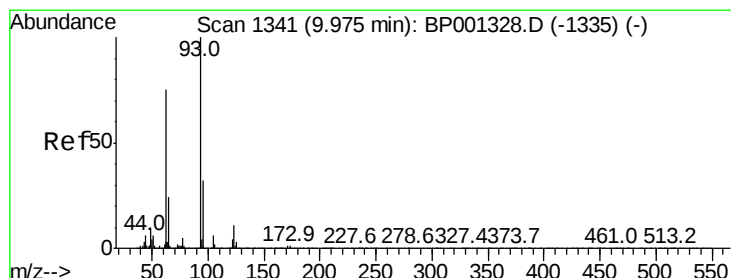
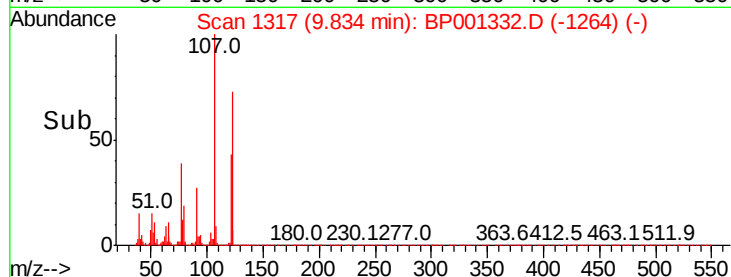
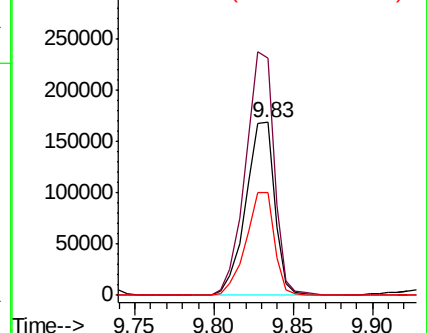
121 59.2 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 94.572 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

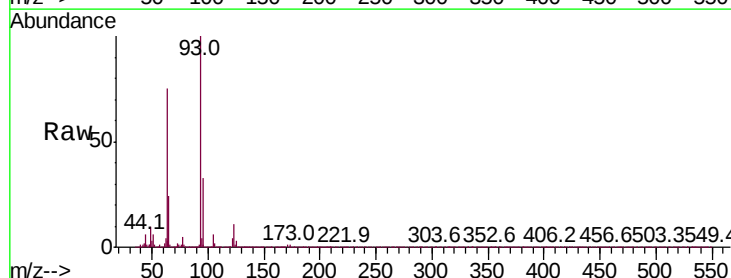
Tgt Ion: 93 Resp: 393856

Ion Ratio Lower Upper

93 100

95 33.0 25.4 38.0

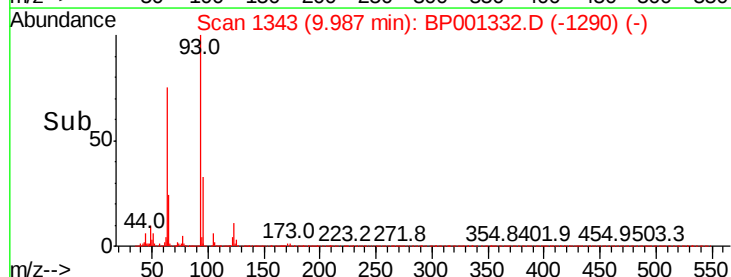
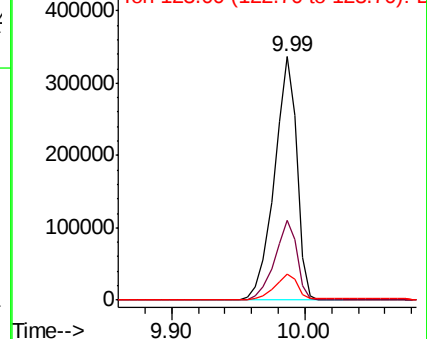
123 10.7 8.8 13.2

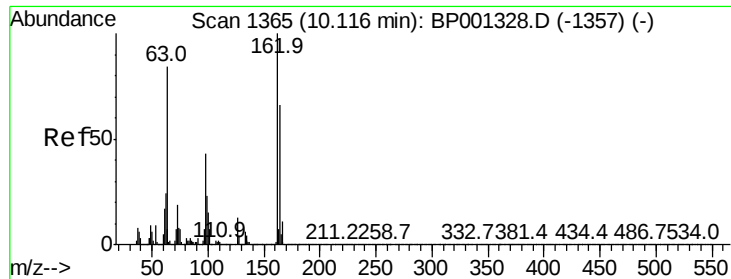


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 123.00 (122.70 to 123.70): E

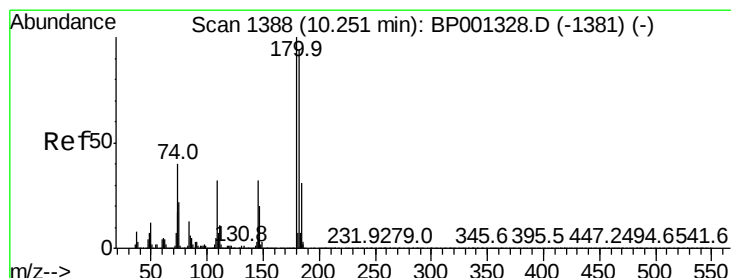
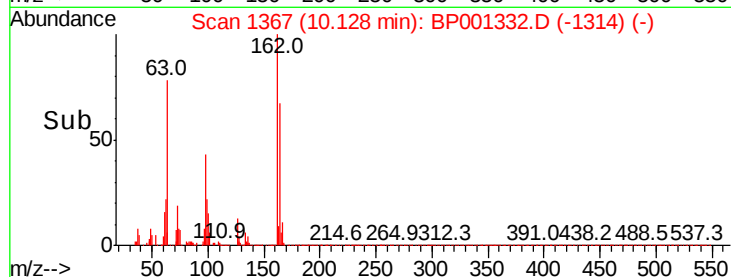
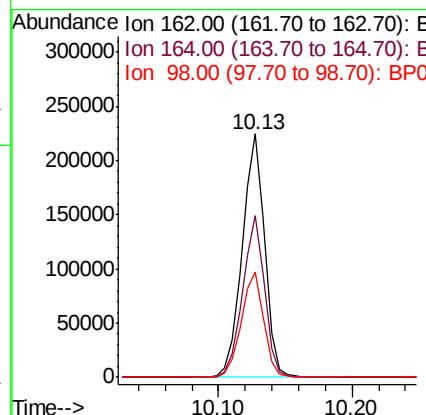
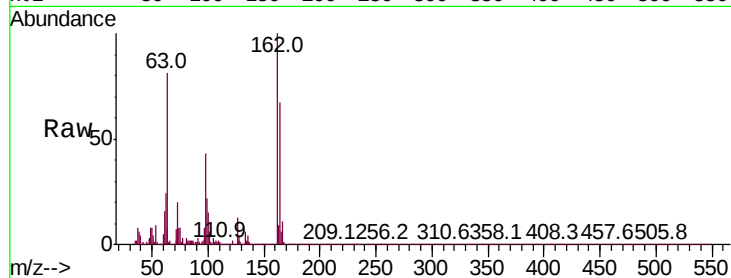




#29  
2,4-Dichlorophenol  
Concen: 107.886 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

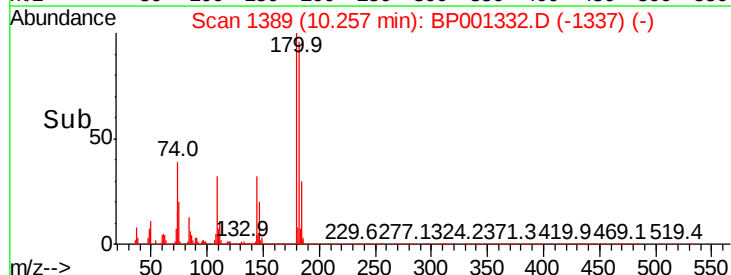
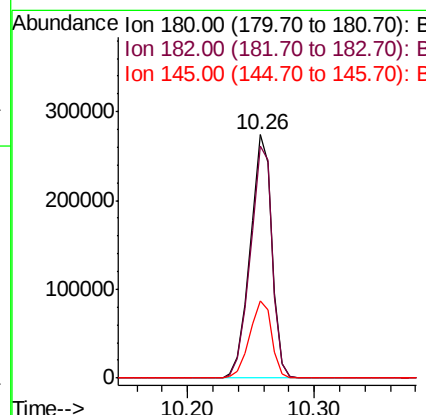
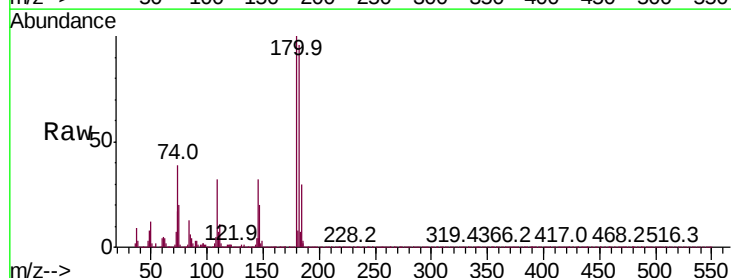
Instrument :  
BNA\_P  
ClientSampleId :

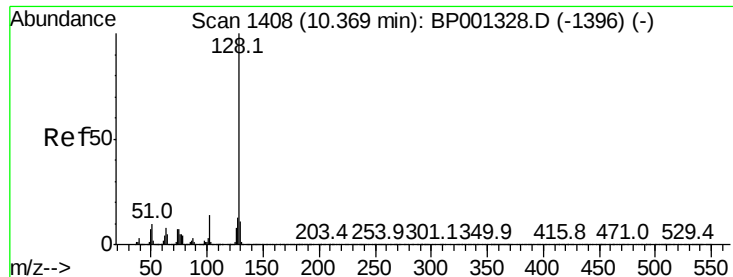
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.5  | 45.9  | 85.9  |
| 98      | 43.3  | 23.2  | 63.2  |



#30  
1,2,4-Trichlorobenzene  
Concen: 114.411 ng  
RT: 10.26 min Scan# 1389  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 75.0  | 112.6 |
| 145     | 31.8  | 25.8  | 38.8  |

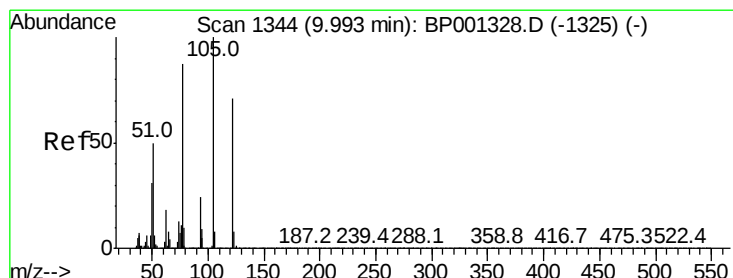
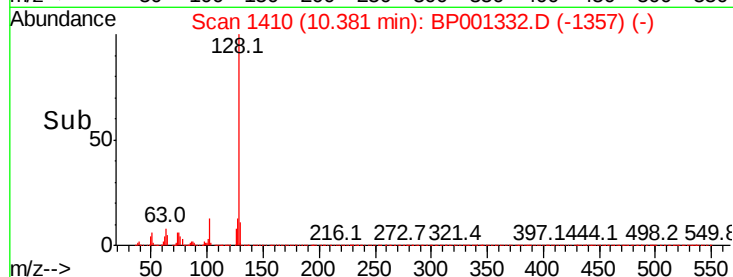
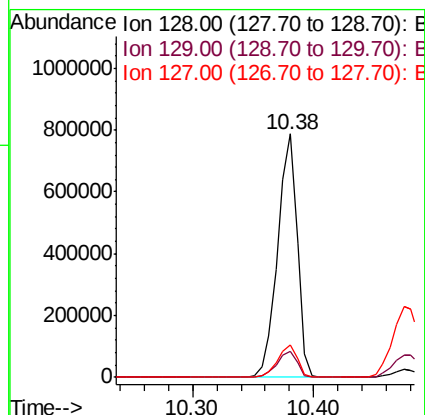
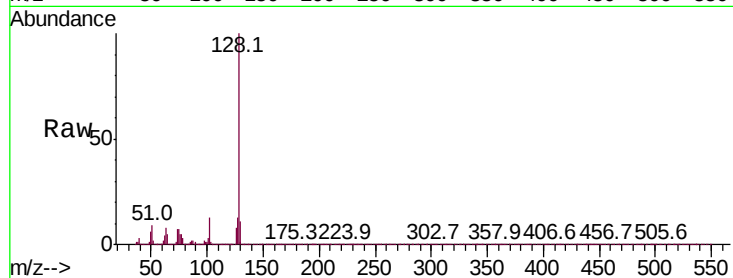




#31  
Naphthalene  
Concen: 106.063 ng  
RT: 10.38 min Scan# 1410  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

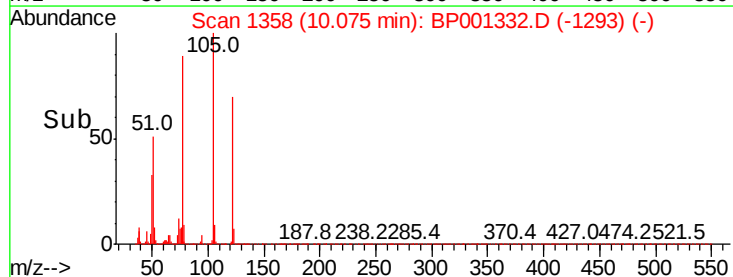
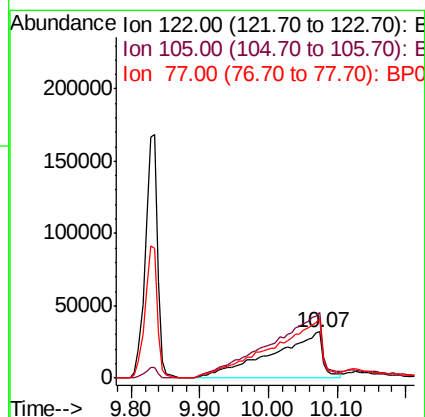
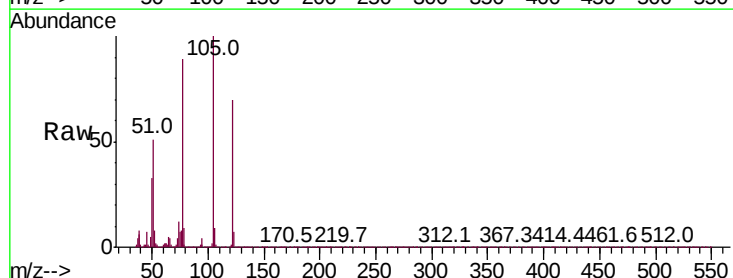
Instrument :  
BNA\_P  
ClientSampleId :

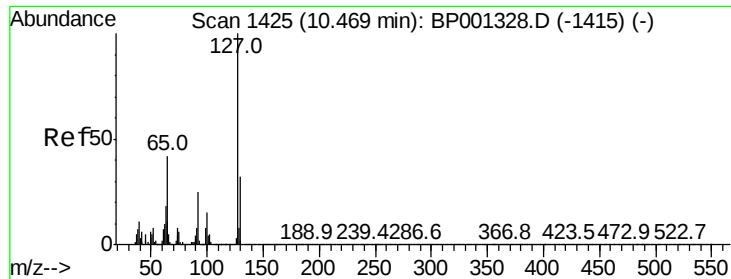
Tot Ion:128 Resp: 869939  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.9 13.3  
127 13.2 10.7 16.1



#32  
Benzoic acid  
Concen: 106.670 ng  
RT: 10.07 min Scan# 1358  
Delta R.T. 0.08 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion:122 Resp: 164690  
Ion Ratio Lower Upper  
122 100  
105 142.9 118.5 158.5  
77 127.4 101.3 141.3

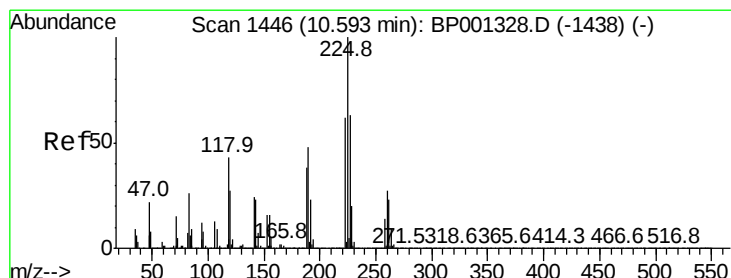
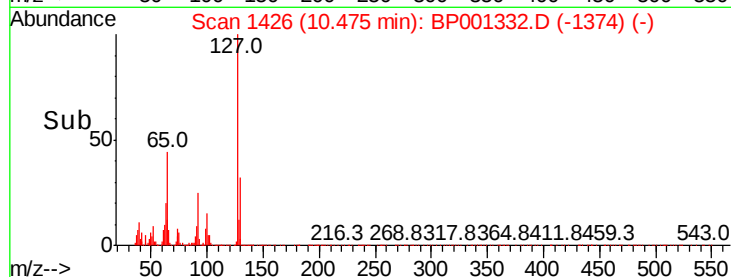
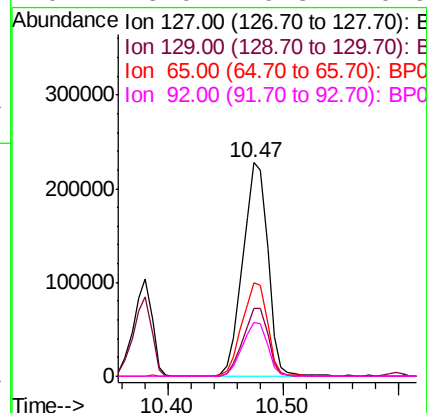
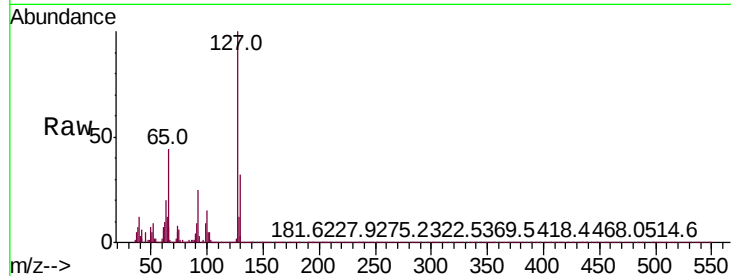




#33  
4-Chloroaniline  
Concen: 96.404 ng  
RT: 10.47 min Scan# 1426  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

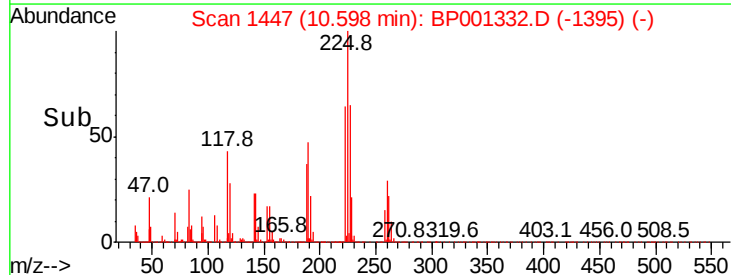
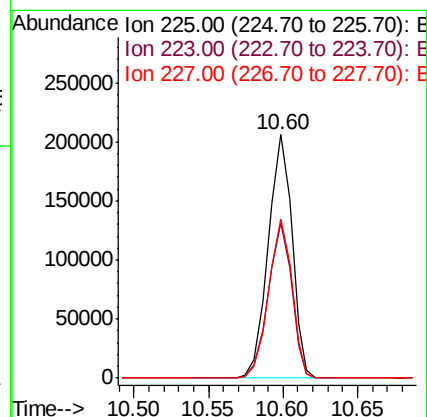
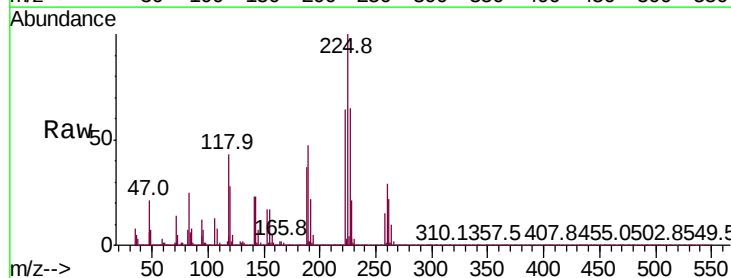
Instrument :  
BNA\_P  
ClientSampleId :

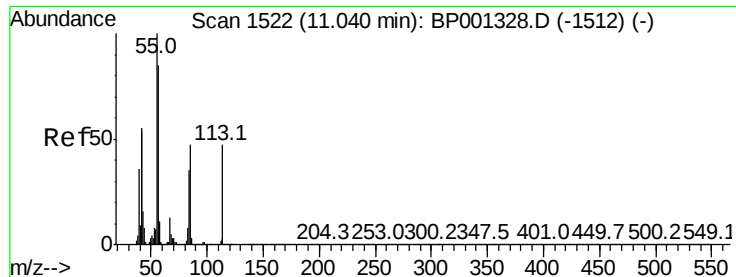
| Tot Ion:127 | Resp: | 343133      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 31.8  | 25.2 37.8   |
| 65          | 43.7  | 33.6 50.4   |
| 92          | 25.0  | 19.8 29.6   |



#34  
Hexachlorobutadiene  
Concen: 126.820 ng  
RT: 10.60 min Scan# 1447  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion:225 | Resp: | 226486      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 64.0  | 49.2 73.8   |
| 227         | 65.2  | 50.3 75.5   |

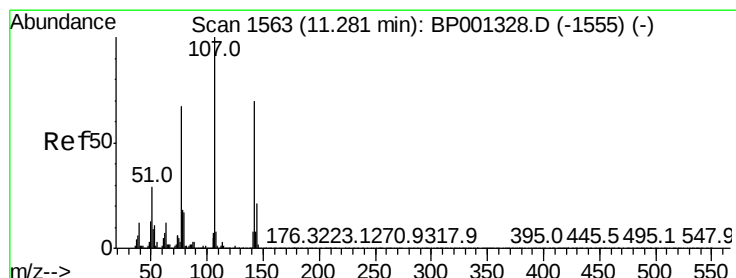
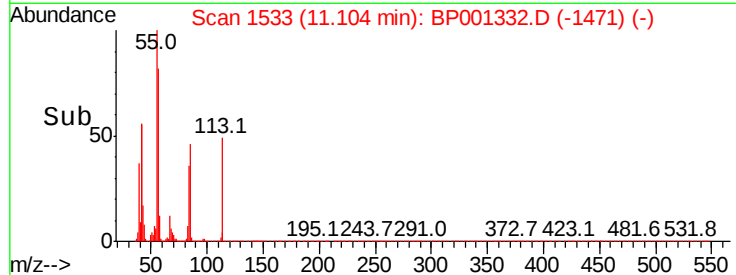
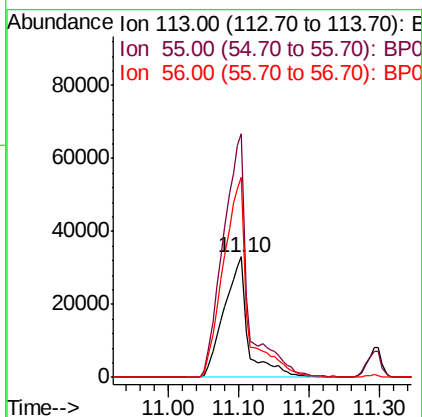
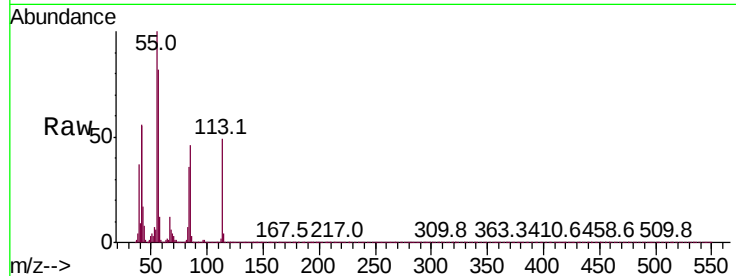




#35  
 Caprolactam  
 Concen: 93.701 ng  
 RT: 11.10 min Scan# 1533  
 Delta R.T. 0.06 min  
 Lab File: BP001332.D  
 Acq: 19 Dec 2019 19:19

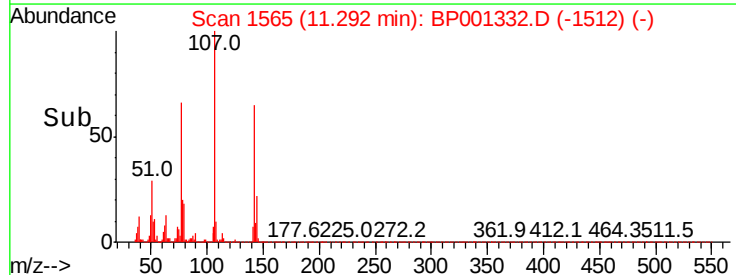
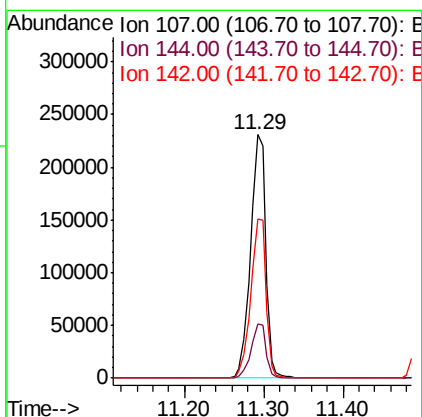
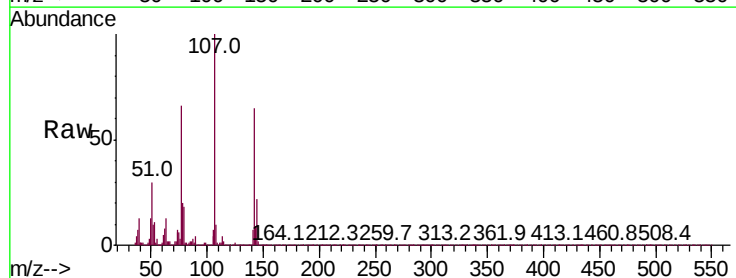
Instrument :  
 BNA\_P  
 ClientSampleId :

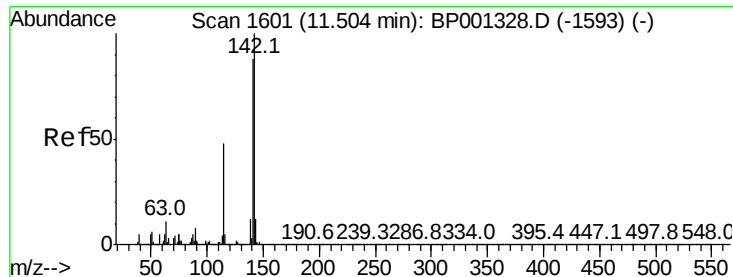
Tot Ion:113 Resp: 78494  
 Ion Ratio Lower Upper  
 113 100  
 55 202.7 191.5 231.5  
 56 166.2 160.5 200.5



#36  
 4-Chloro-3-methylphenol  
 Concen: 106.563 ng  
 RT: 11.29 min Scan# 1565  
 Delta R.T. 0.01 min  
 Lab File: BP001332.D  
 Acq: 19 Dec 2019 19:19

Tgt Ion:107 Resp: 307094  
 Ion Ratio Lower Upper  
 107 100  
 144 22.2 16.9 25.3  
 142 65.4 55.9 83.9

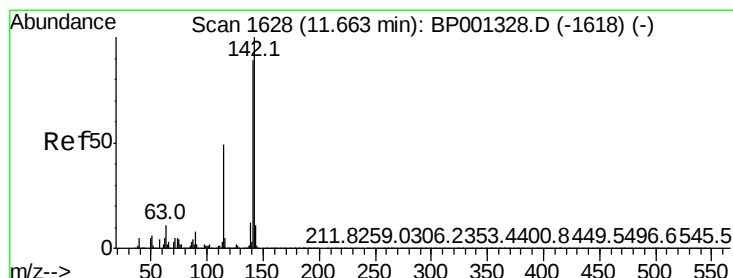
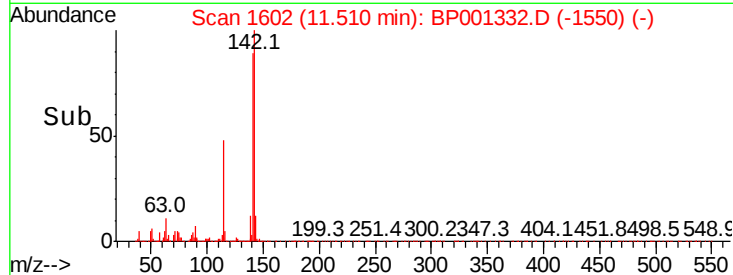
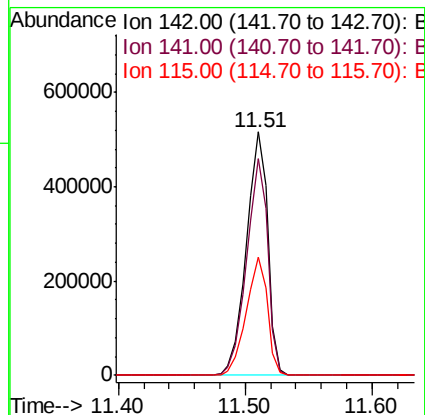
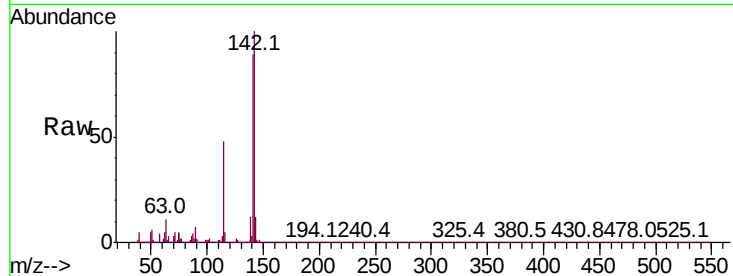




#37  
2-Methylnaphthalene  
Concen: 107.662 ng  
RT: 11.51 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

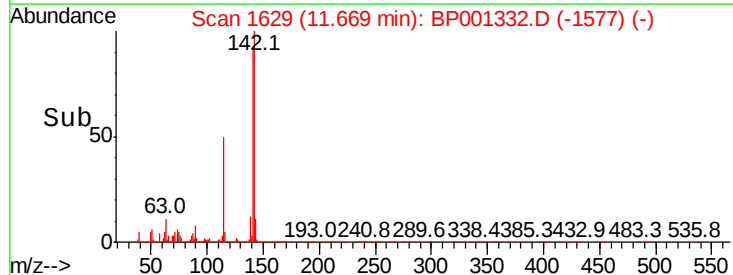
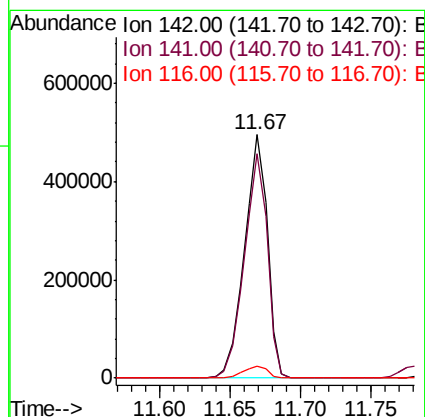
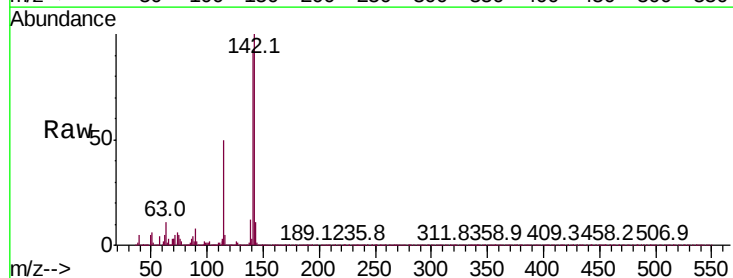
Instrument :  
BNA\_P  
ClientSampleId :

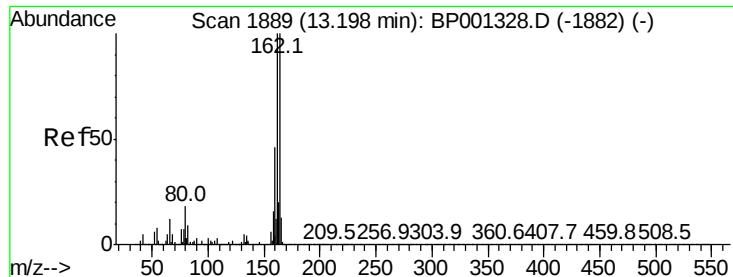
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 70.2  | 105.4 |
| 115     | 48.4  | 38.7  | 58.1  |



#38  
1-Methylnaphthalene  
Concen: 106.179 ng  
RT: 11.67 min Scan# 1629  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.0  | 71.3  | 106.9 |
| 116     | 5.1   | 4.2   | 6.2   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.20 min Scan# 1890

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

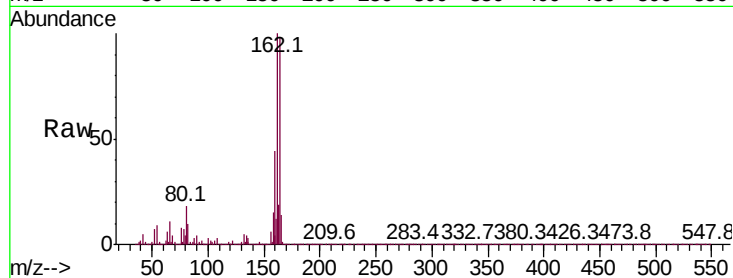
Tot Ion:164 Resp: 92570

Ion Ratio Lower Upper

164 100

162 102.0 80.3 120.5

160 45.2 36.6 54.8

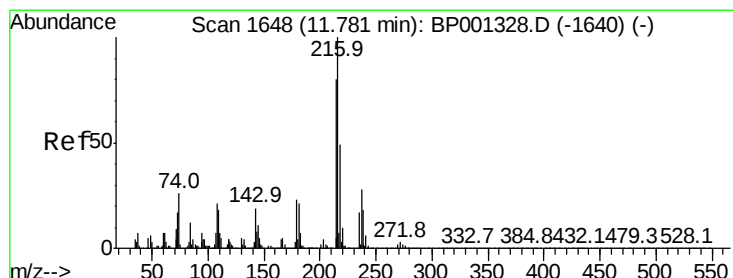
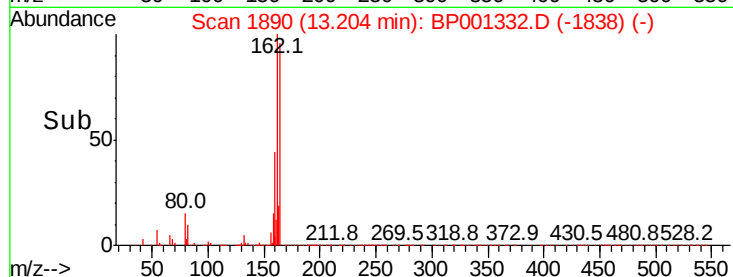
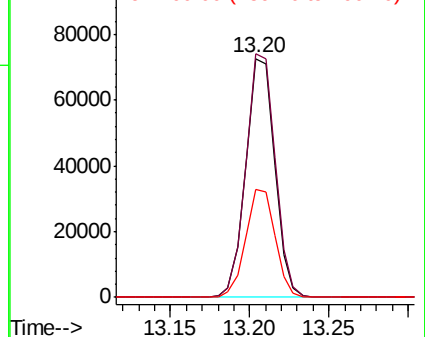


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 118.132 ng

RT: 11.79 min Scan# 1649

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Tgt Ion:216 Resp: 344624

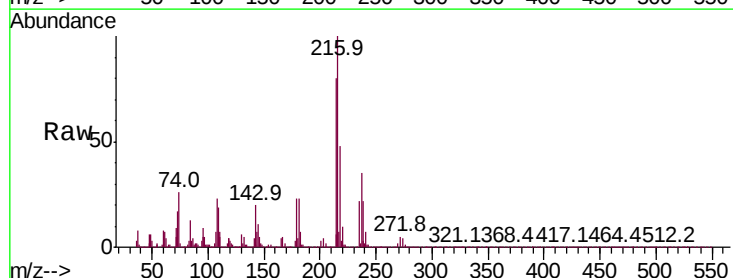
Ion Ratio Lower Upper

216 100

214 78.4 62.6 94.0

179 22.6 18.1 27.1

108 23.3 18.2 27.2



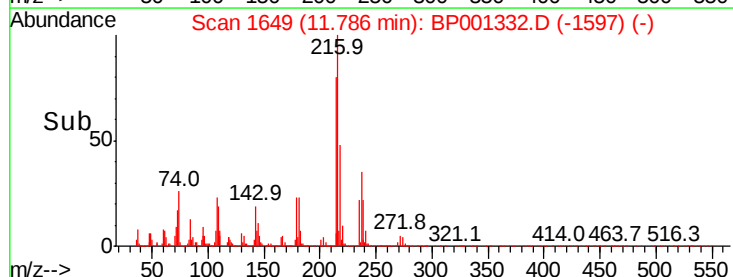
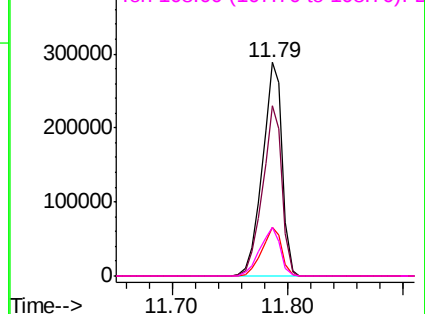
Abundance

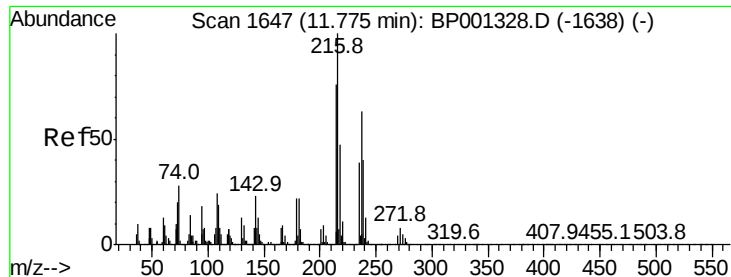
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

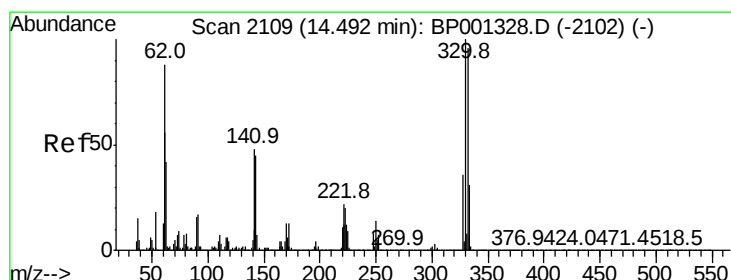
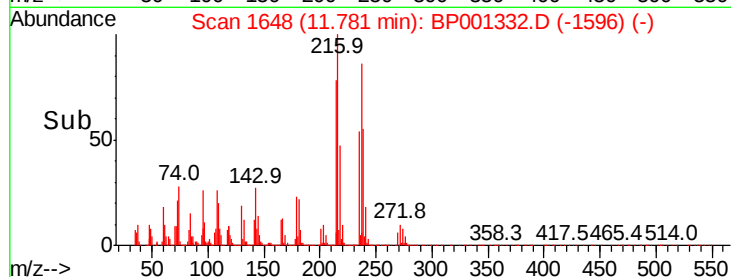
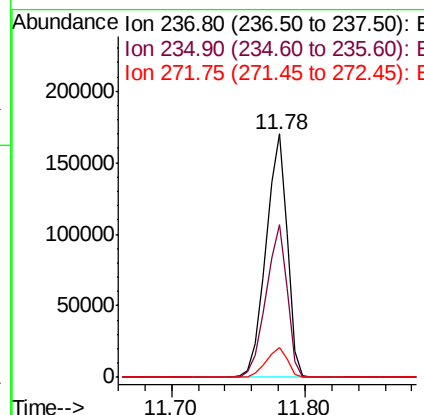
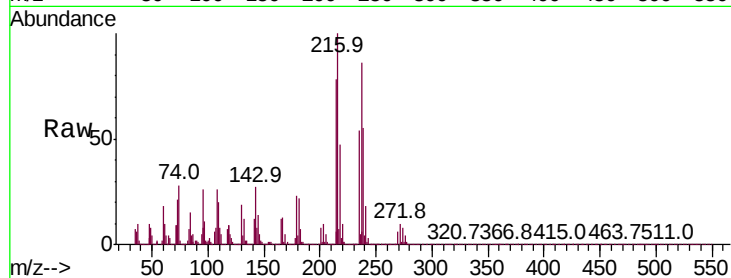




#41  
Hexachlorocyclopentadiene  
Concen: 137.810 ng  
RT: 11.78 min Scan# 1648  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

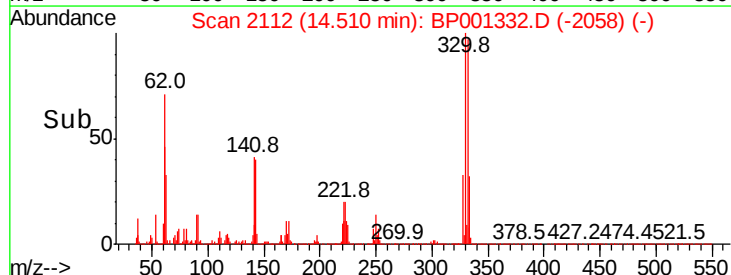
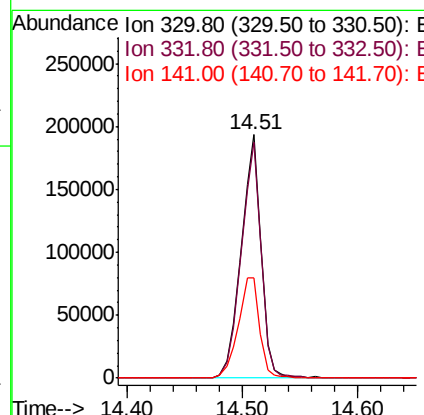
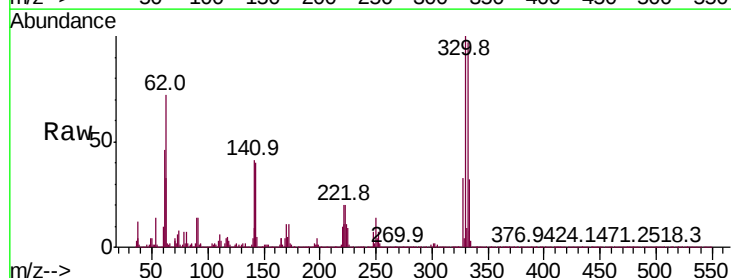
Instrument :  
BNA\_P  
ClientSampleId :

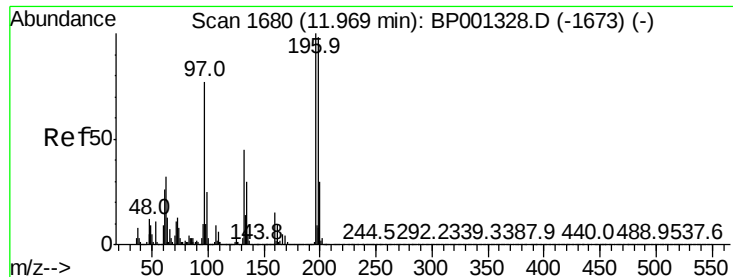
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 62.7  | 41.9  | 81.9  |
| 272     | 12.0  | 0.0   | 32.0  |



#42  
2,4,6-Tribromophenol  
Concen: 260.334 ng  
RT: 14.51 min Scan# 2112  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 78.7  | 118.1 |
| 141     | 44.7  | 36.2  | 54.4  |

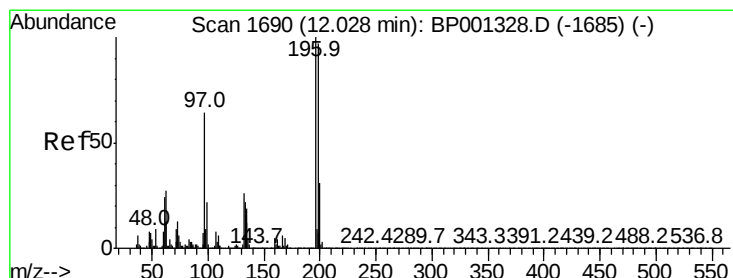
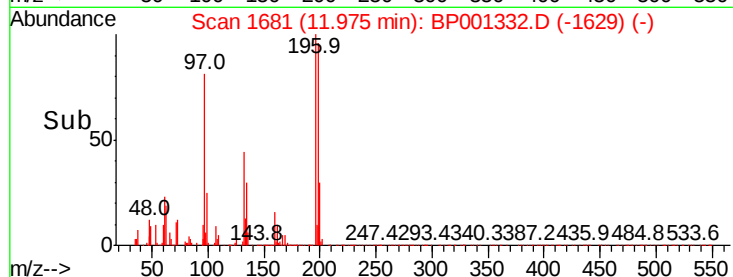
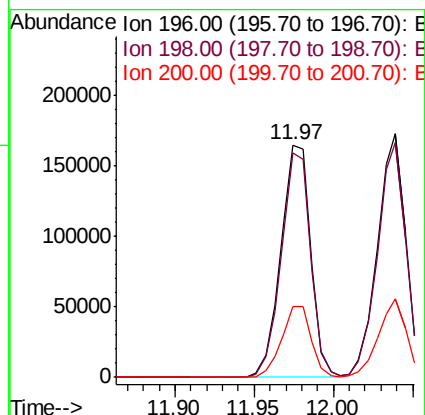
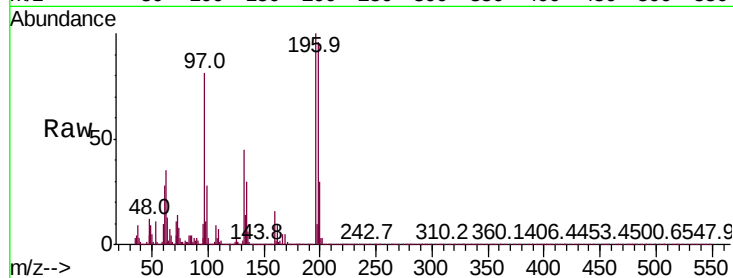




#43  
2,4,6-Trichlorophenol  
Concen: 112.491 ng  
RT: 11.97 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

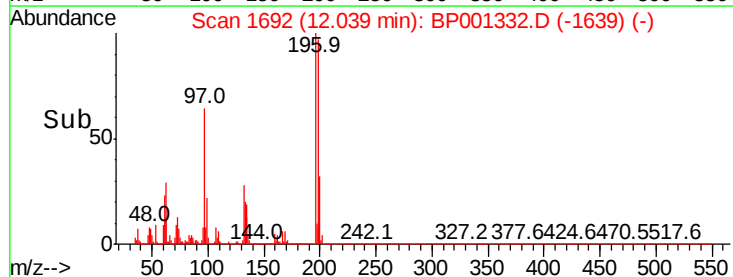
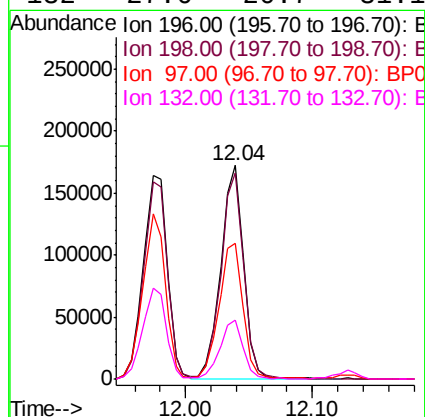
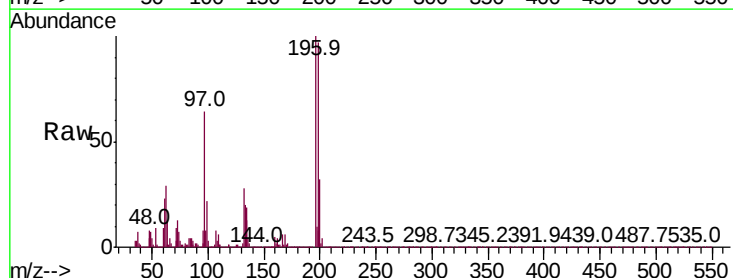
Instrument :  
BNA\_P  
ClientSampleId :

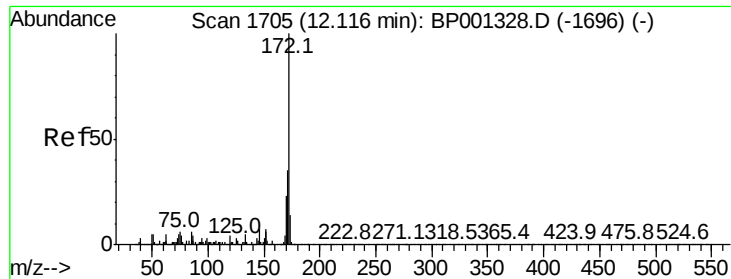
Tot Ion:196 Resp: 214273  
Ion Ratio Lower Upper  
196 100  
198 96.5 78.6 118.0  
200 30.2 24.3 36.5



#44  
2,4,5-Trichlorophenol  
Concen: 109.532 ng  
RT: 12.04 min Scan# 1692  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion:196 Resp: 216172  
Ion Ratio Lower Upper  
196 100  
198 96.6 77.7 116.5  
97 63.7 50.7 76.1  
132 27.6 20.7 31.1

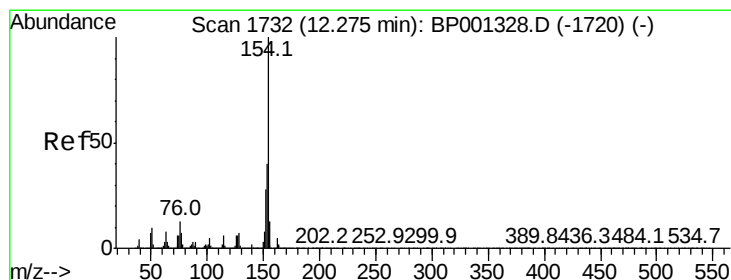
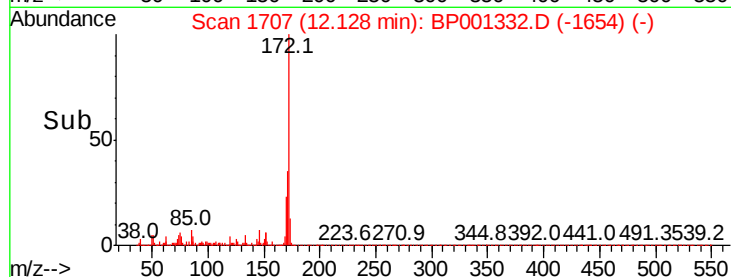
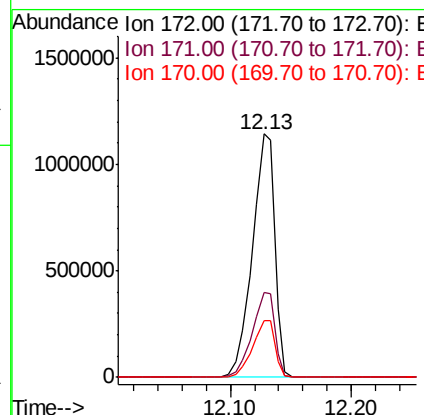
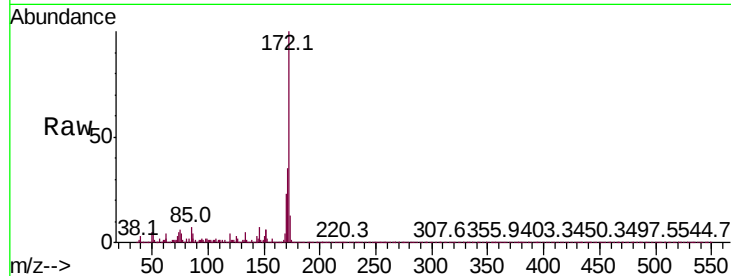




#45  
2-Fluorobiphenyl  
Concen: 234.524 ng  
RT: 12.13 min Scan# 1707  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

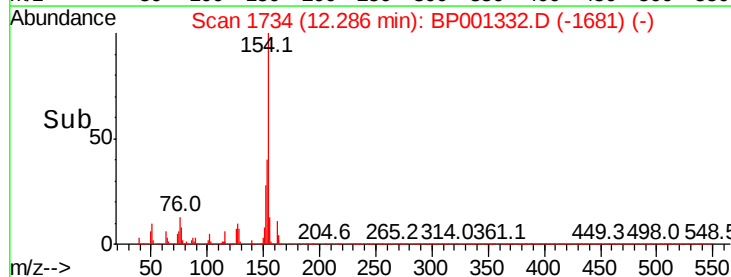
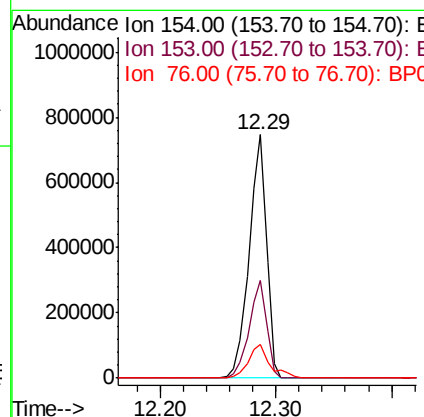
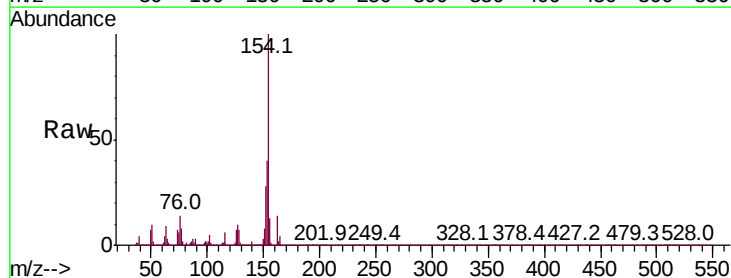
Instrument :  
BNA\_P  
ClientSampleId :

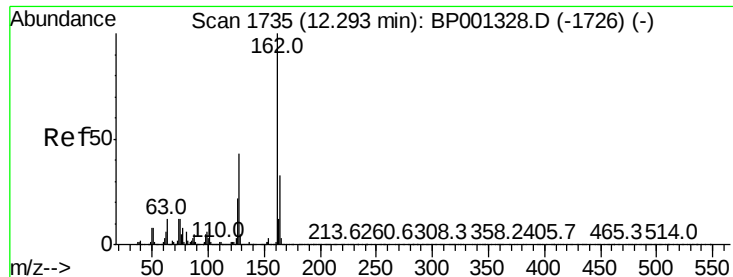
Tot Ion:172 Resp: 1483349  
Ion Ratio Lower Upper  
172 100  
171 34.9 27.7 41.5  
170 23.2 18.6 28.0



#46  
1,1'-Biphenyl  
Concen: 108.171 ng  
RT: 12.29 min Scan# 1734  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion:154 Resp: 773871  
Ion Ratio Lower Upper  
154 100  
153 40.0 20.2 60.2  
76 13.6 0.0 33.1





#47

2-Chloronaphthalene

Concen: 109.496 ng

RT: 12.30 min Scan# 1737

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

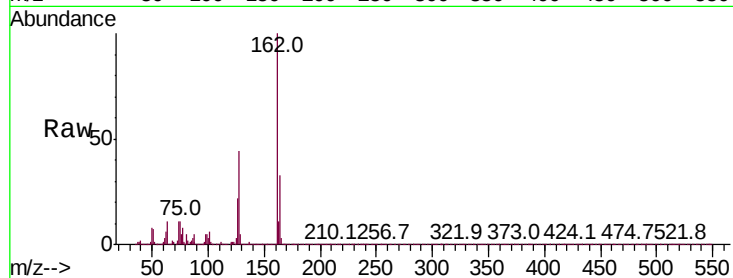
Tot Ion:162 Resp: 625721

Ion Ratio Lower Upper

162 100

127 43.7 34.2 51.4

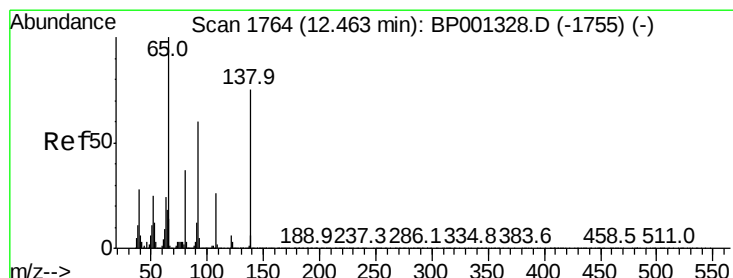
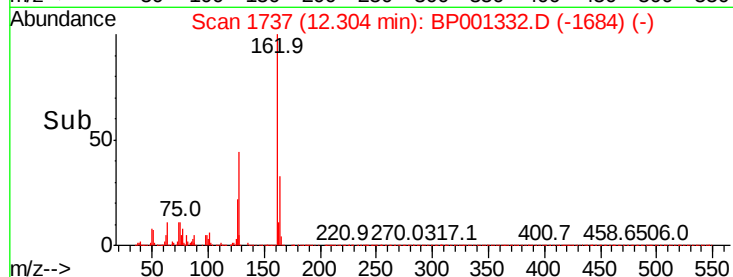
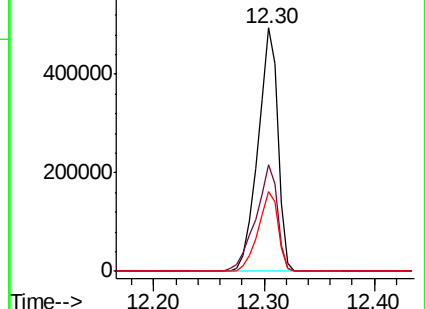
164 32.8 26.4 39.6



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 110.945 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

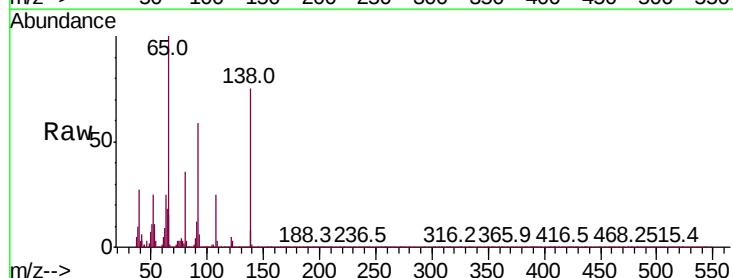
Tgt Ion: 65 Resp: 248478

Ion Ratio Lower Upper

65 100

92 59.1 48.3 72.5

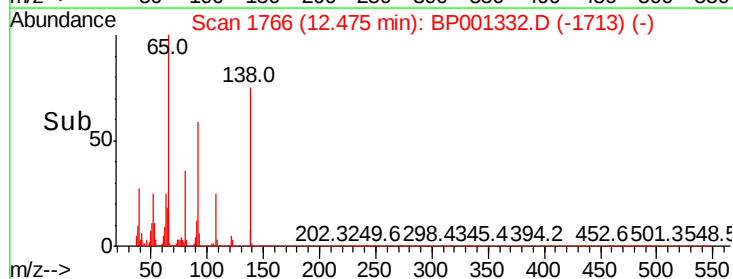
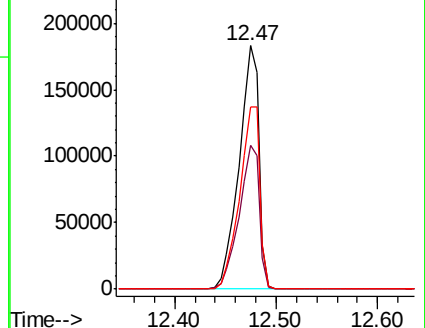
138 74.9 60.2 90.4

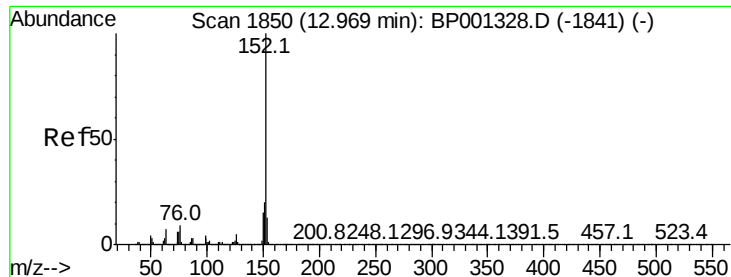


Abundance Ion 65.00 (64.70 to 65.70): BP0

Ion 92.00 (91.70 to 92.70): BP0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 105.777 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

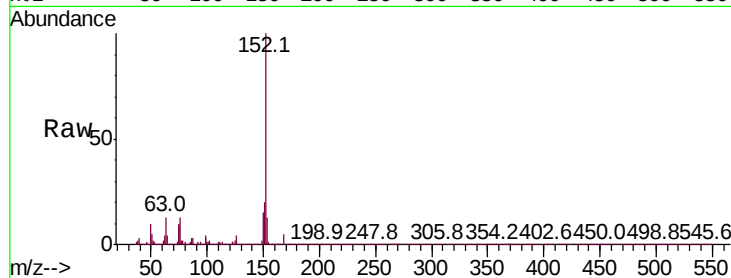
Tot Ion:152 Resp: 906069

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

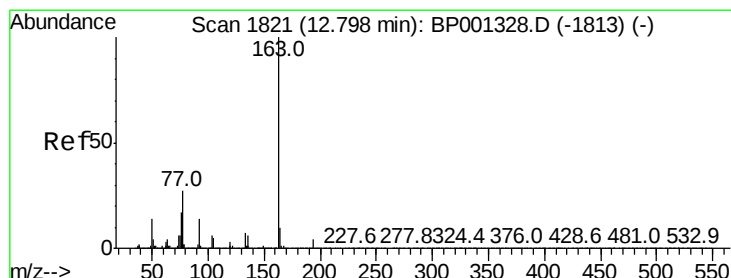
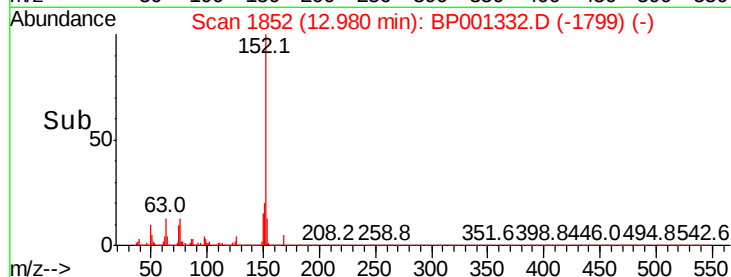
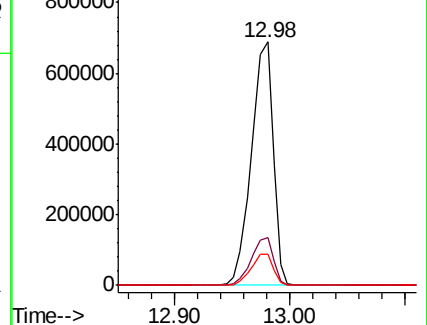
153 12.8 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 108.721 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.02 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

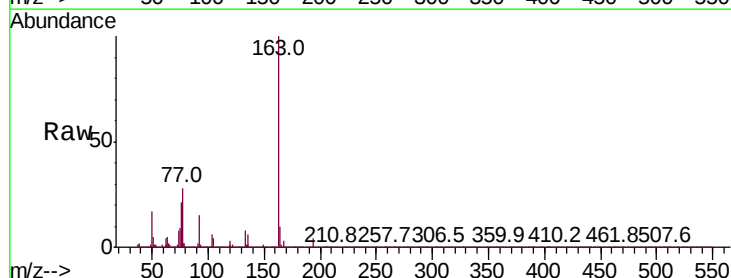
Tgt Ion:163 Resp: 752713

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

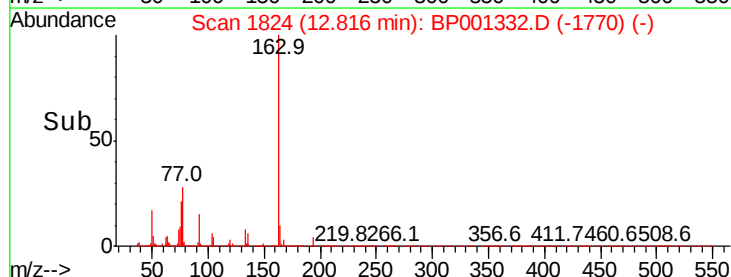
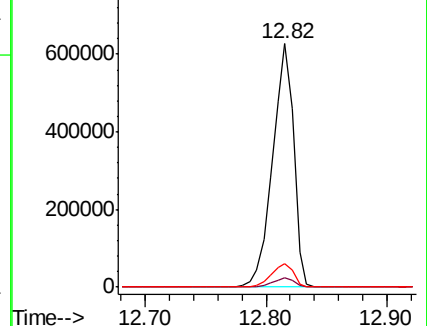
164 9.8 7.9 11.9

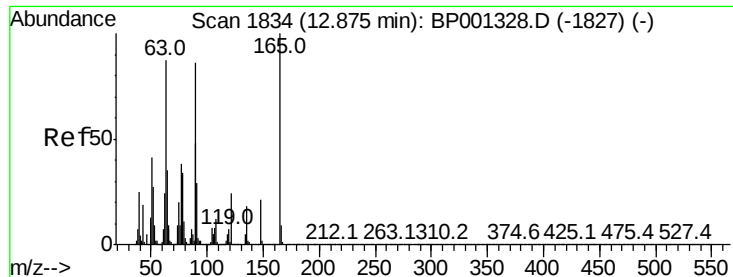


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

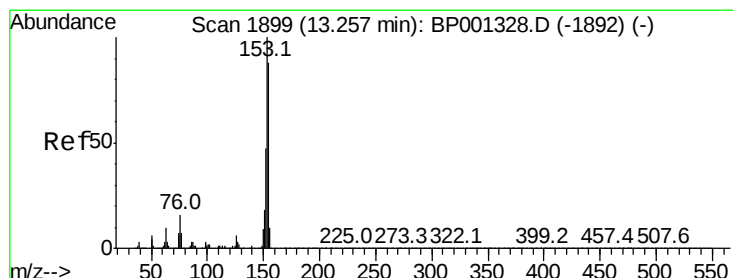
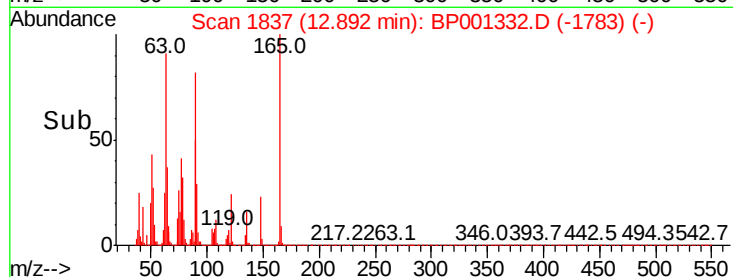
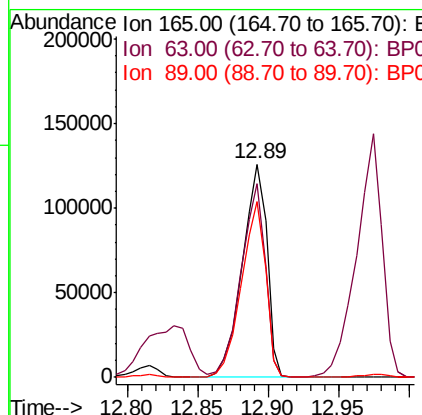
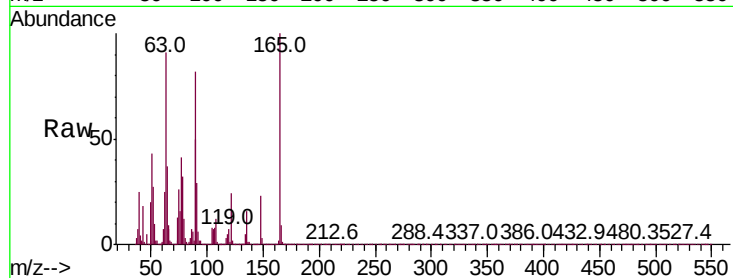




#51  
2,6-Dinitrotoluene  
Concen: 103.649 ng  
RT: 12.89 min Scan# 1837  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

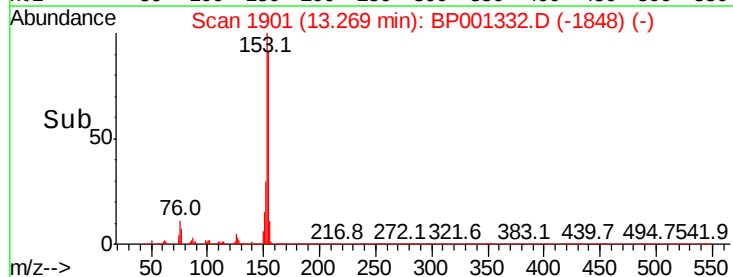
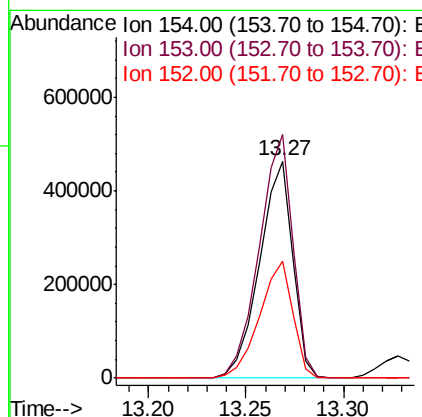
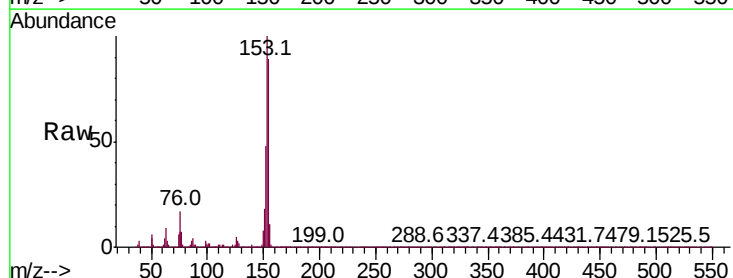
Instrument :  
BNA\_P  
ClientSampleId :

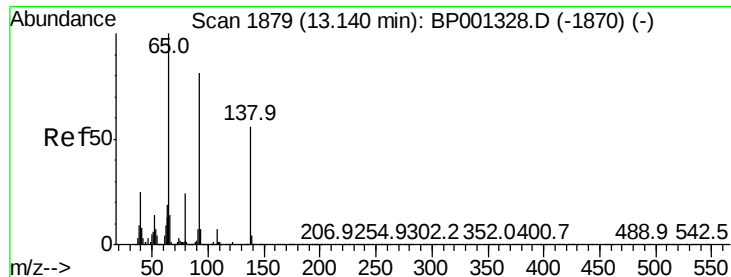
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 90.6  | 71.3  | 106.9 |
| 89      | 82.5  | 68.5  | 102.7 |



#52  
Acenaphthene  
Concen: 105.874 ng  
RT: 13.27 min Scan# 1901  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.2 | 90.6  | 135.8 |
| 152     | 53.8  | 42.4  | 63.6  |

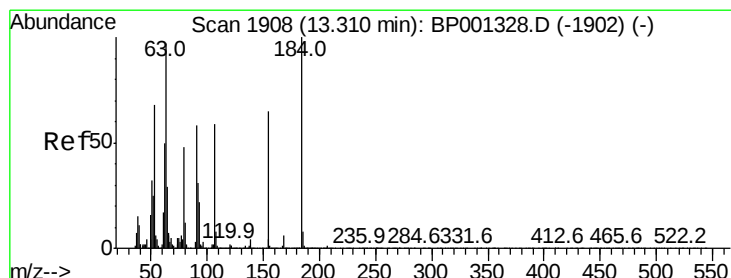
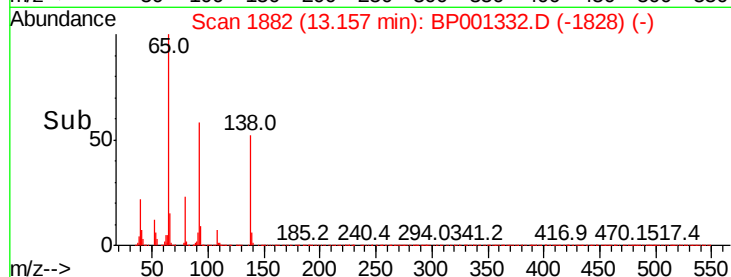
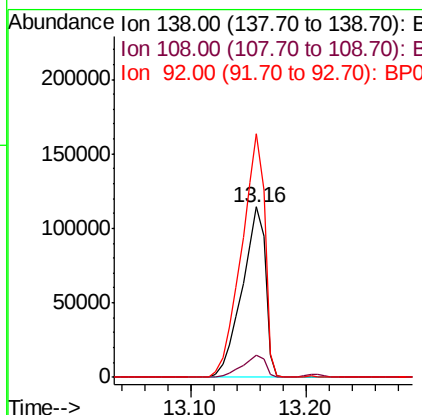
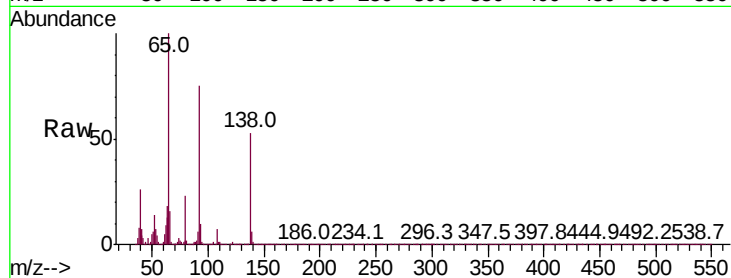




#53  
3-Nitroaniline  
Concen: 95.766 ng  
RT: 13.16 min Scan# 1882  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

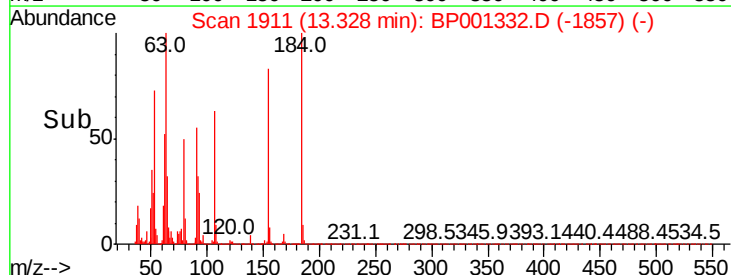
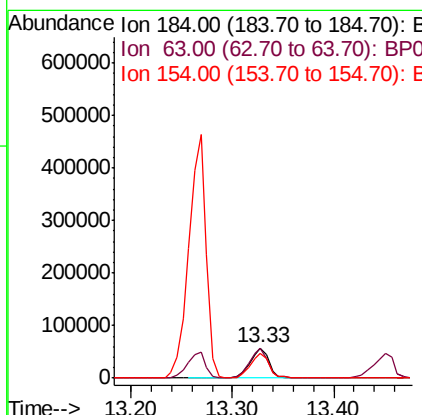
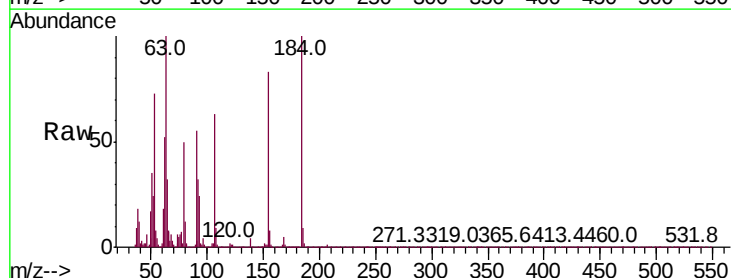
Instrument :  
BNA\_P  
ClientSampleId :

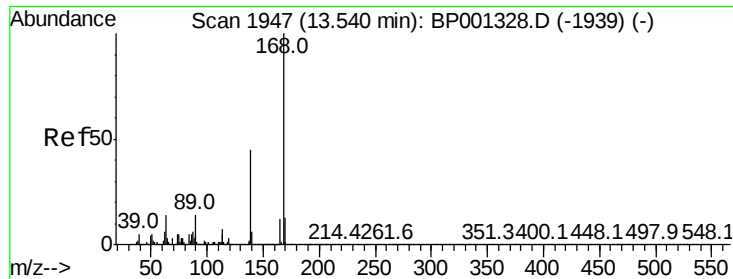
Tot Ion:138 Resp: 159436  
Ion Ratio Lower Upper  
138 100  
108 13.0 10.1 15.1  
92 142.8 114.6 172.0



#54  
2,4-Dinitrophenol  
Concen: 142.107 ng  
RT: 13.33 min Scan# 1911  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion:184 Resp: 73855  
Ion Ratio Lower Upper  
184 100  
63 100.4 78.6 117.8  
154 83.2 62.2 93.2

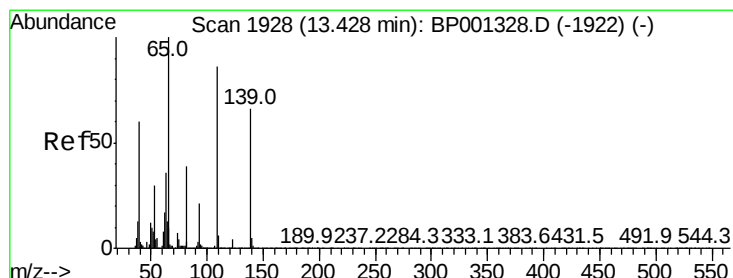
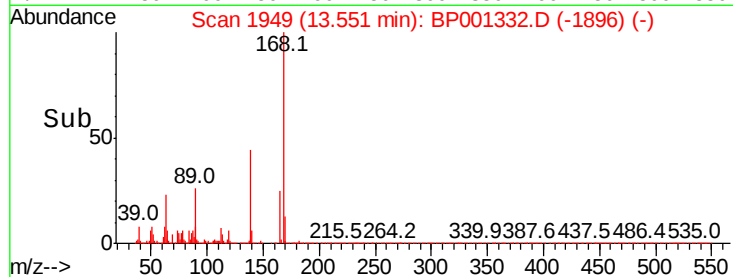
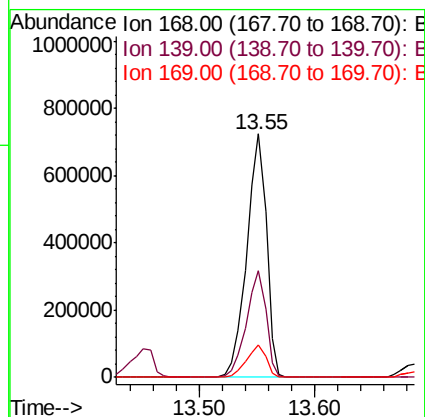
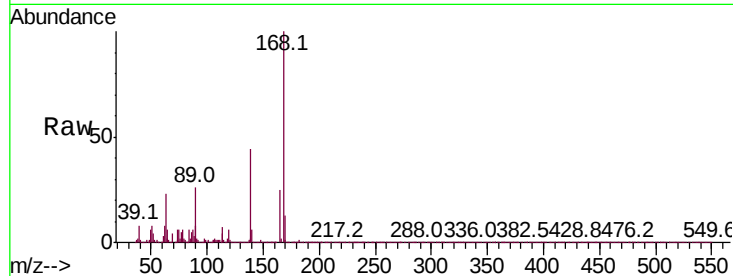




#55  
Dibenzofuran  
Concen: 110.671 ng  
RT: 13.55 min Scan# 1949  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

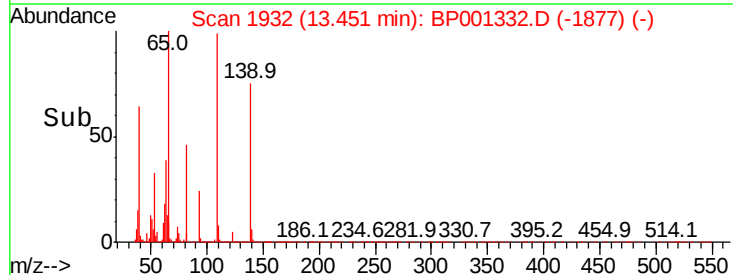
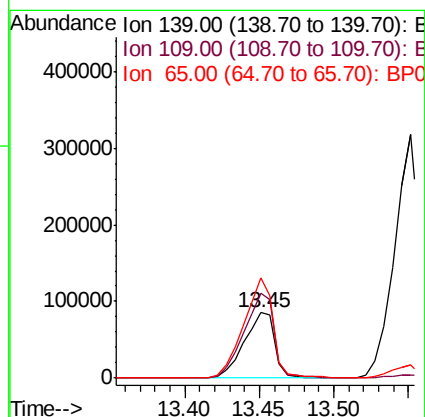
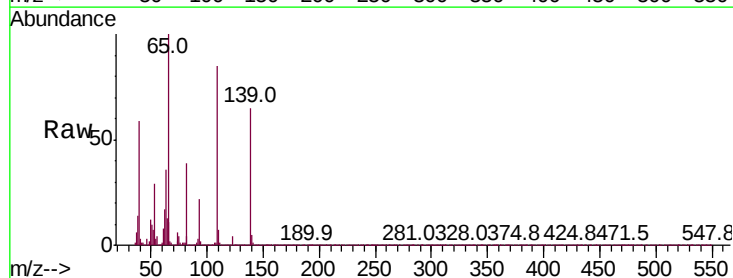
Instrument :  
BNA\_P  
ClientSampled :

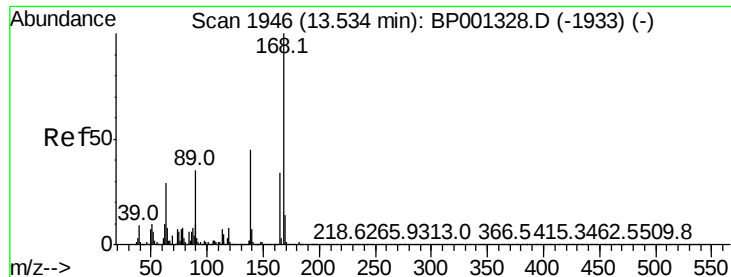
Tot Ion:168 Resp: 856905  
Ion Ratio Lower Upper  
168 100  
139 43.9 35.8 53.8  
169 13.3 10.5 15.7



#56  
4-Nitrophenol  
Concen: 102.123 ng  
RT: 13.45 min Scan# 1932  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion:139 Resp: 120476  
Ion Ratio Lower Upper  
139 100  
109 130.0 110.1 150.1  
65 153.6 131.3 171.3

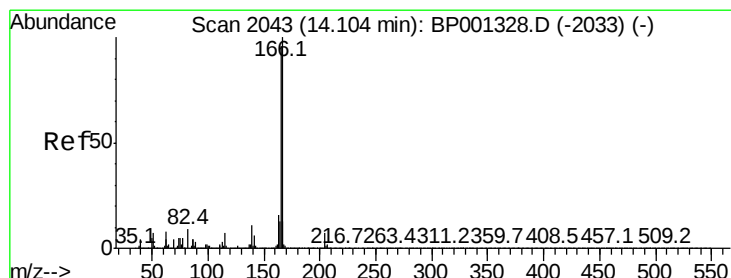
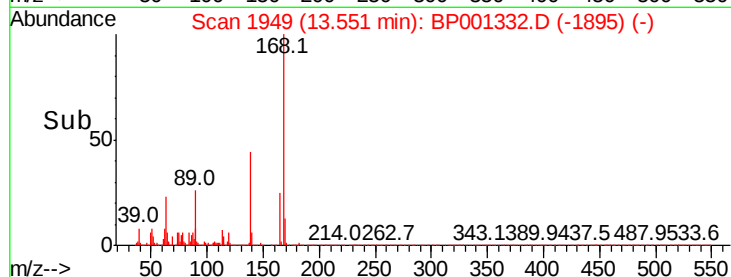
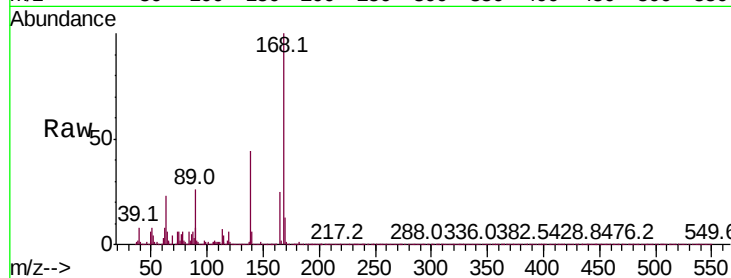
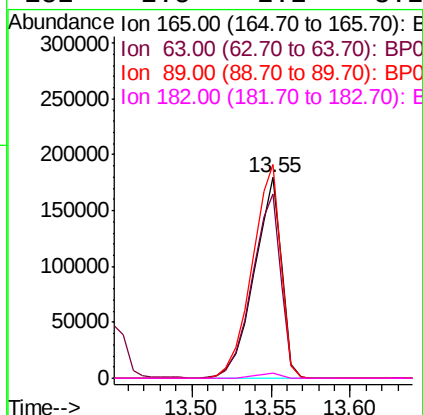




#57  
2,4-Dinitrotoluene  
Concen: 115.702 ng  
RT: 13.55 min Scan# 1949  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

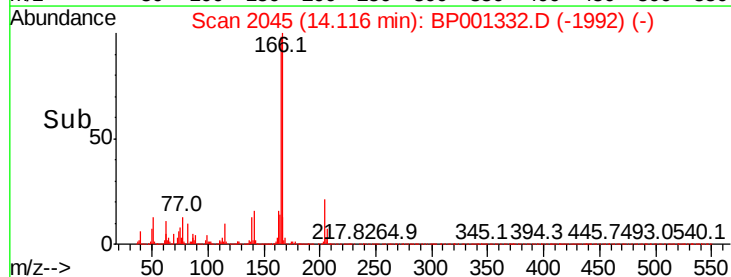
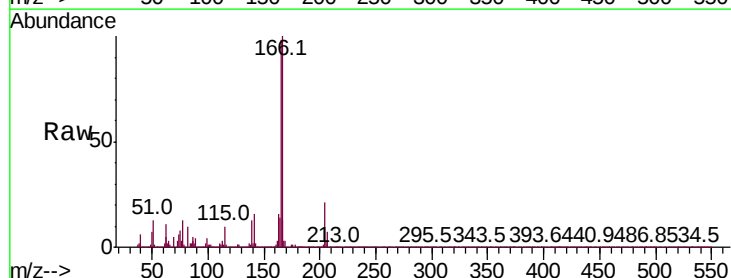
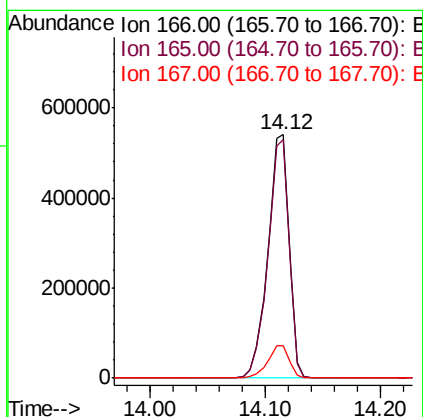
Instrument :  
BNA\_P  
ClientSampleId :

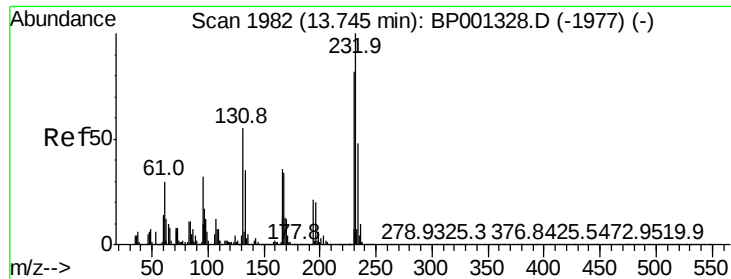
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 92.1  | 67.6  | 101.4 |
| 89      | 106.6 | 81.3  | 121.9 |
| 182     | 2.5   | 2.2   | 3.2   |



#58  
Fluorene  
Concen: 111.668 ng  
RT: 14.12 min Scan# 2045  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.2  | 76.9  | 115.3 |
| 167     | 13.2  | 10.3  | 15.5  |

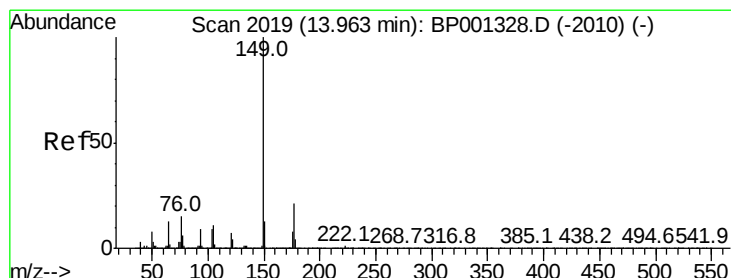
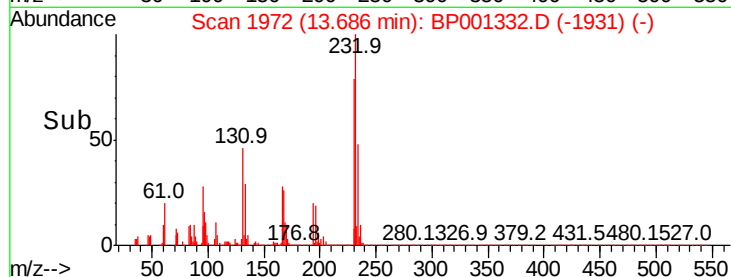
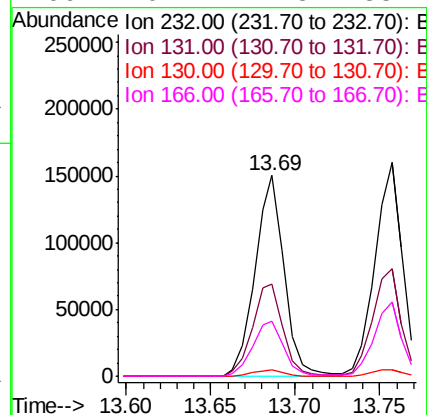
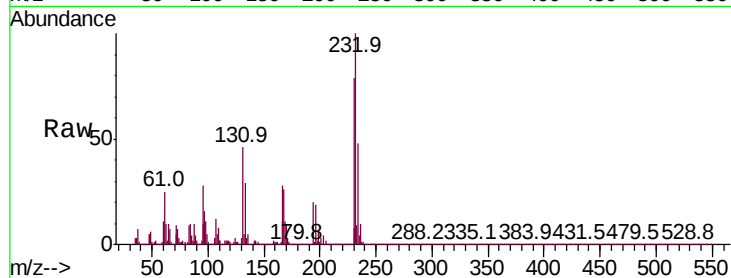




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 111.515 ng  
RT: 13.69 min Scan# 1972  
Delta R.T. -0.06 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

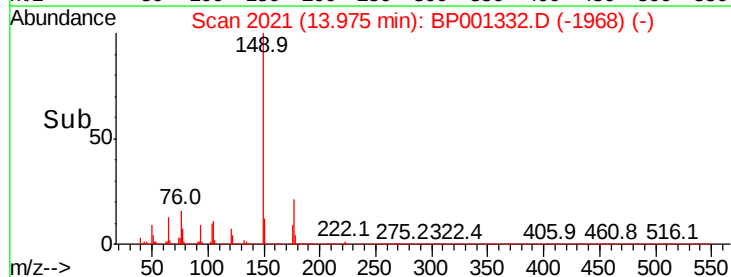
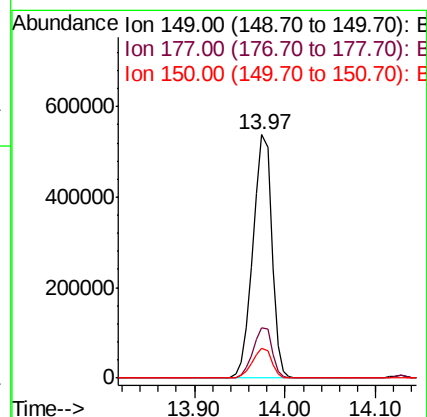
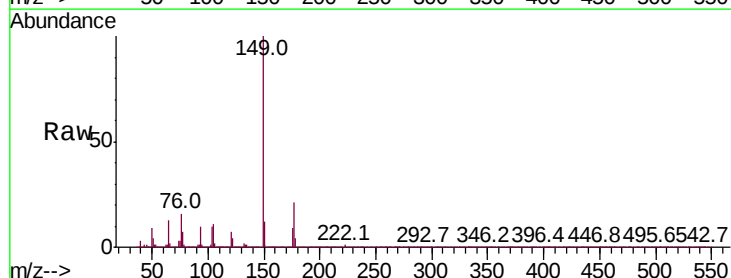
Instrument :  
BNA\_P  
ClientSampled :

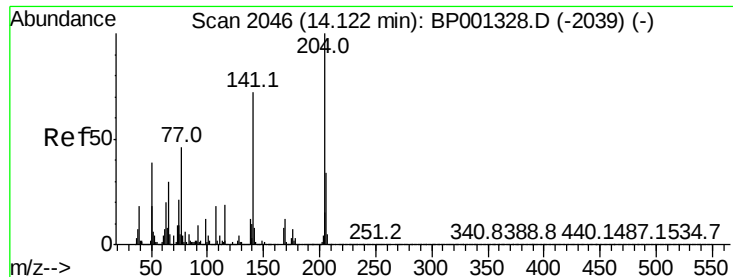
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 48.3  | 36.1  | 54.1  |
| 130     | 3.2   | 2.5   | 3.7   |
| 166     | 29.2  | 22.5  | 33.7  |



#60  
Diethylphthalate  
Concen: 107.656 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.9  | 16.7  | 25.1  |
| 150     | 12.4  | 10.2  | 15.4  |





#61

4-Chlorophenyl-phenylether

Concen: 114.563 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.01 min

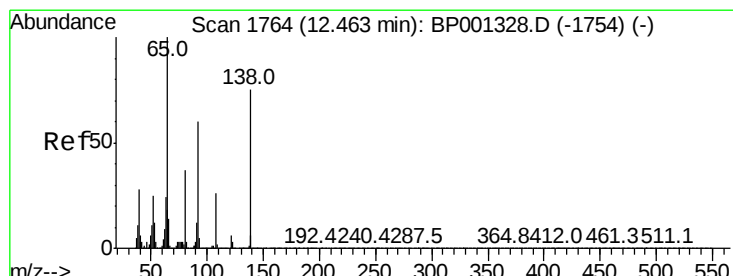
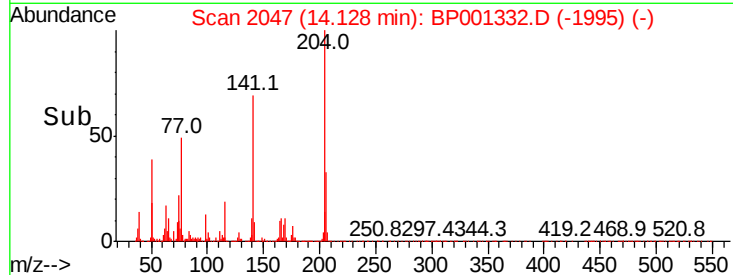
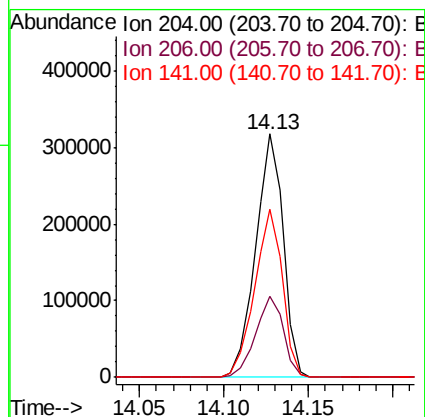
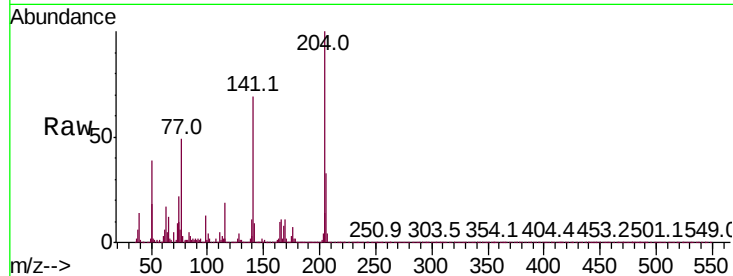
Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :  
BNA\_P  
ClientSampled :

Tot Ion:204 Resp: 361948

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 204 | 100   |       |       |
| 206 | 33.1  | 27.4  | 41.0  |
| 141 | 69.1  | 57.3  | 85.9  |



#62

4-Nitroaniline

Concen: 98.477 ng

RT: 12.47 min Scan# 1766

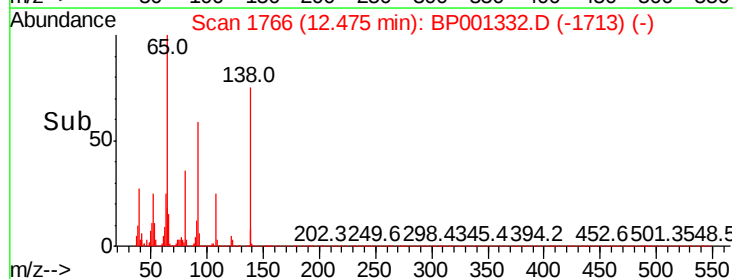
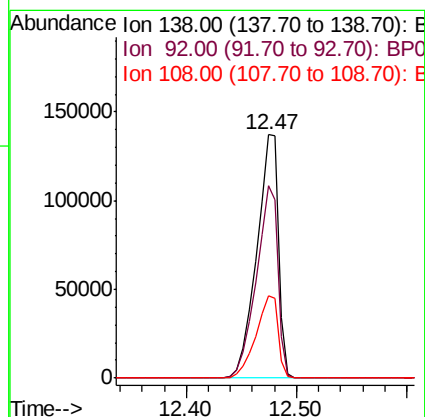
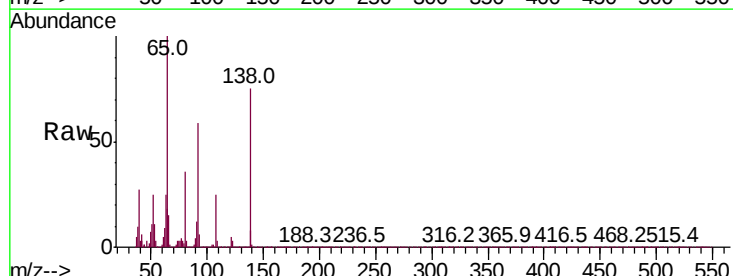
Delta R.T. 0.01 min

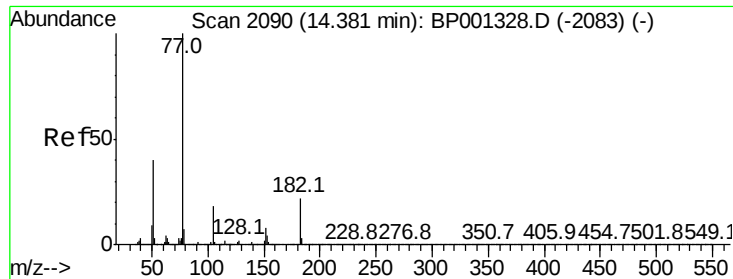
Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Tgt Ion:138 Resp: 190079

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 92  | 78.9  | 60.3  | 100.3 |
| 108 | 34.0  | 14.5  | 54.5  |

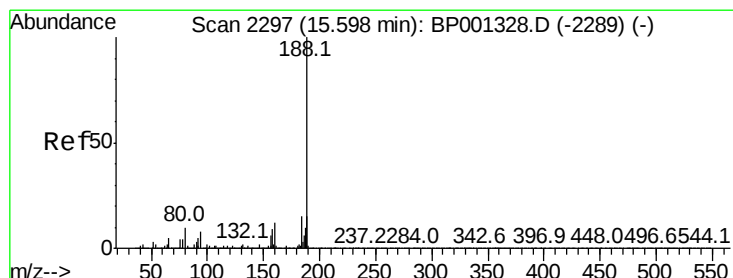
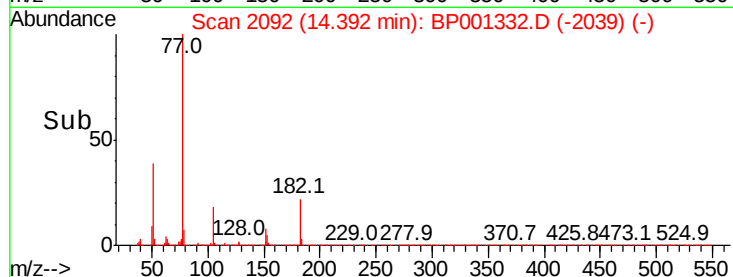
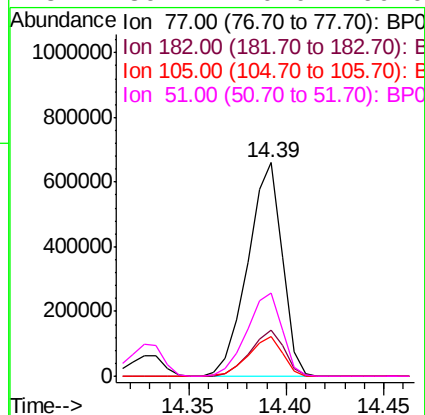
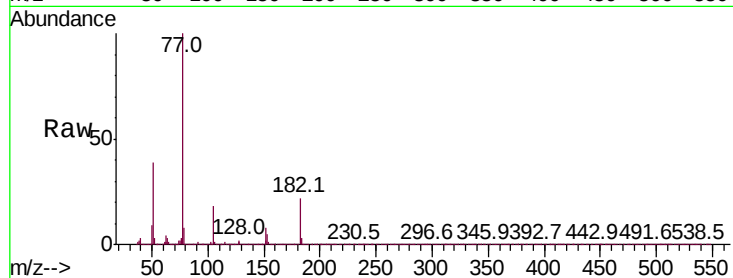




#63  
Azobenzene  
Concen: 103.885 ng  
RT: 14.39 min Scan# 2092  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

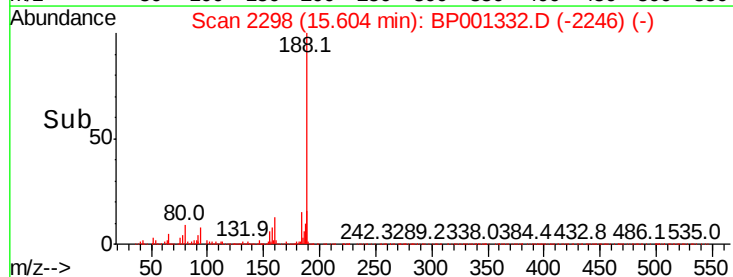
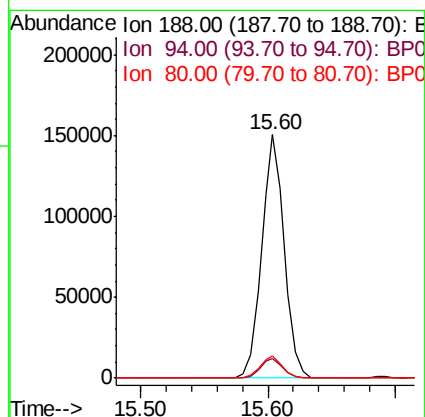
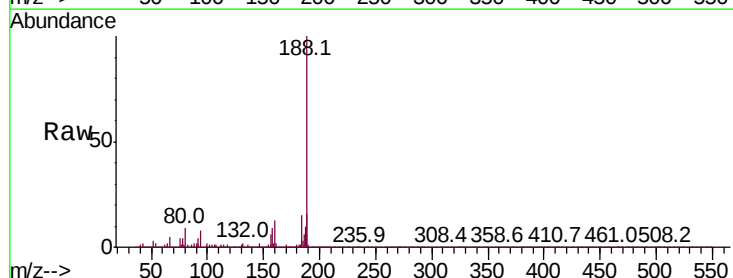
Instrument :  
BNA\_P  
ClientSampleId :

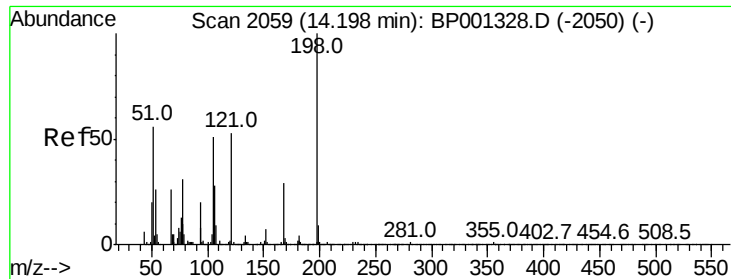
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 804986 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 21.6  | 2.0   | 42.0   |
| 105      | 18.4  | 0.0   | 38.1   |
| 51       | 39.1  | 20.0  | 60.0   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 15.60 min Scan# 2298  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 185276 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.3   | 6.6   | 10.0   |
| 80       | 9.0   | 7.8   | 11.6   |

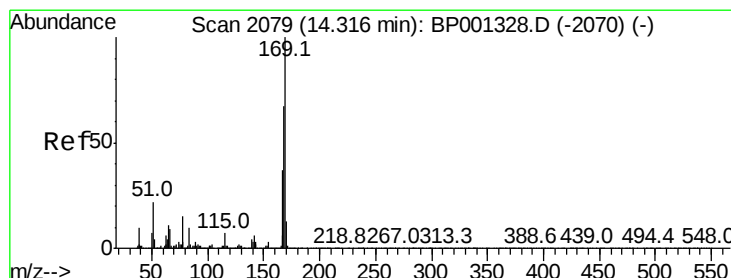
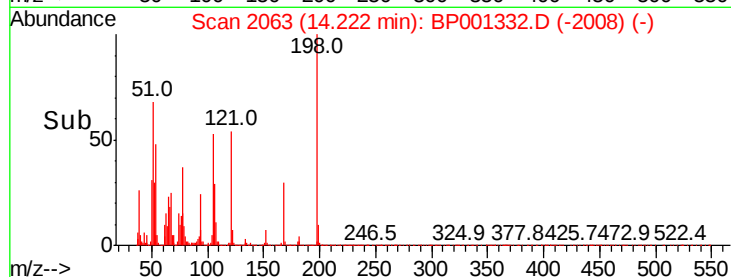
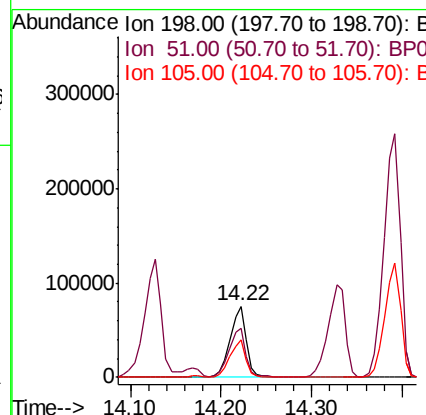
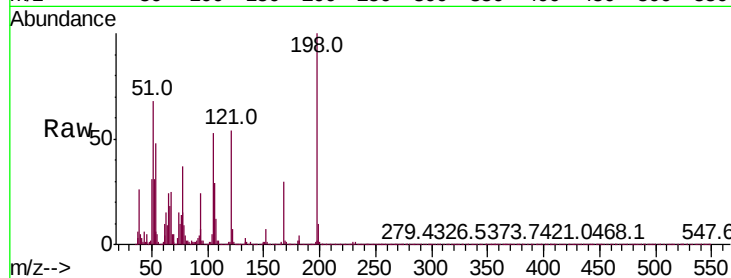




#65  
4,6-Dinitro-2-methylphenol  
Concen: 126.338 ng  
RT: 14.22 min Scan# 2063  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

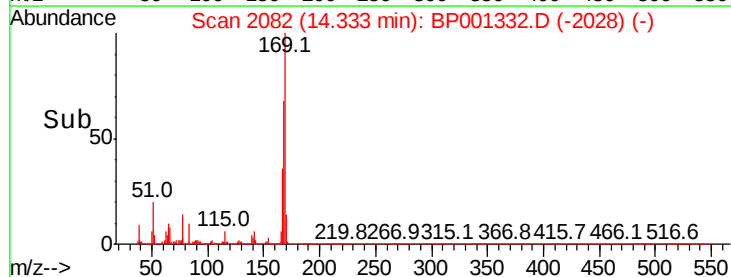
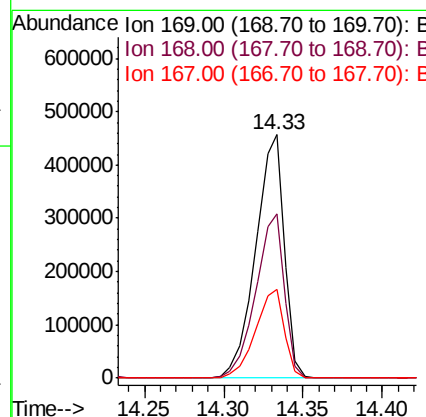
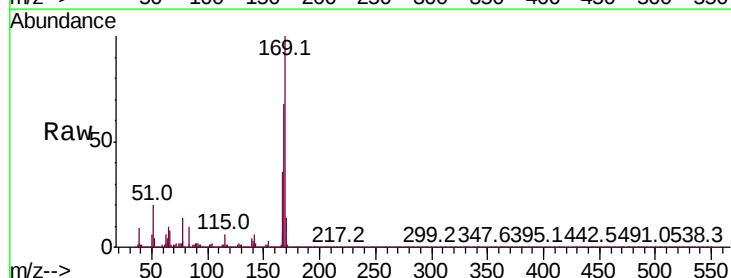
Instrument :  
BNA\_P  
ClientSampleId :

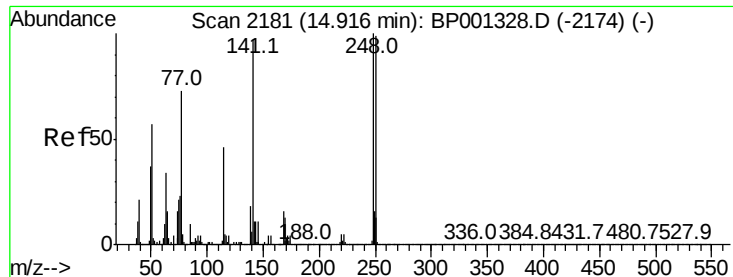
Tot Ion:198 Resp: 93474  
Ion Ratio Lower Upper  
198 100  
51 68.5 47.4 87.4  
105 52.7 33.1 73.1



#66  
n-Nitrosodiphenylamine  
Concen: 101.896 ng  
RT: 14.33 min Scan# 2082  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion:169 Resp: 573623  
Ion Ratio Lower Upper  
169 100  
168 67.6 53.4 80.2  
167 36.3 29.4 44.0

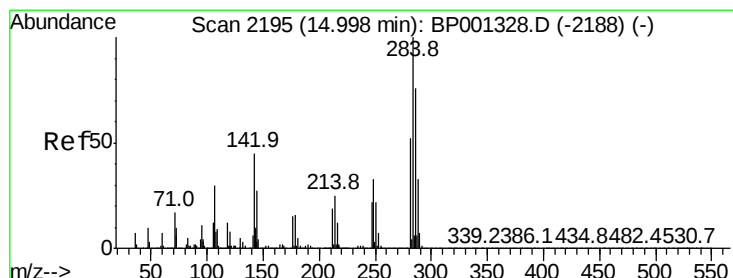
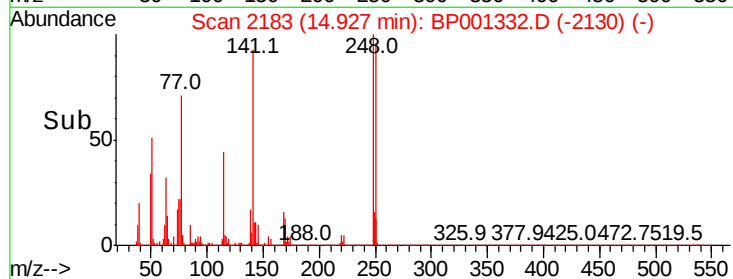
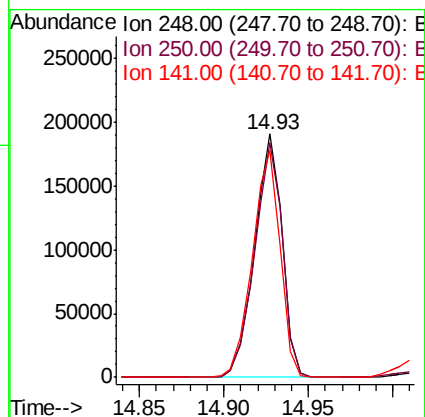
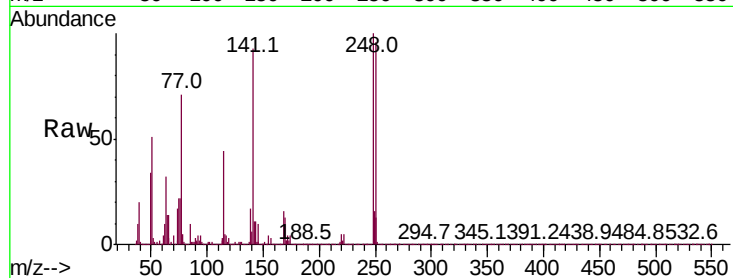




#67  
4-Bromophenyl-phenylether  
Concen: 107.420 ng  
RT: 14.93 min Scan# 2183  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

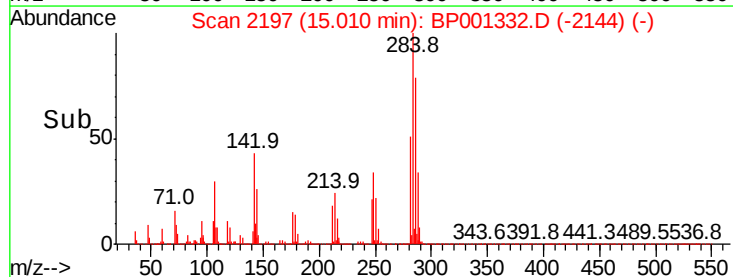
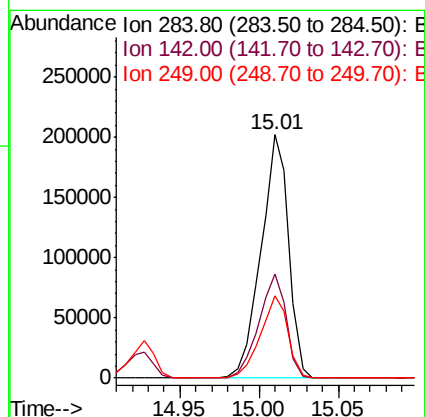
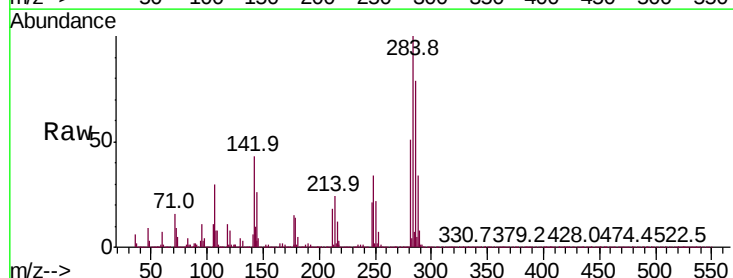
Instrument :  
BNA\_P  
ClientSampleId :

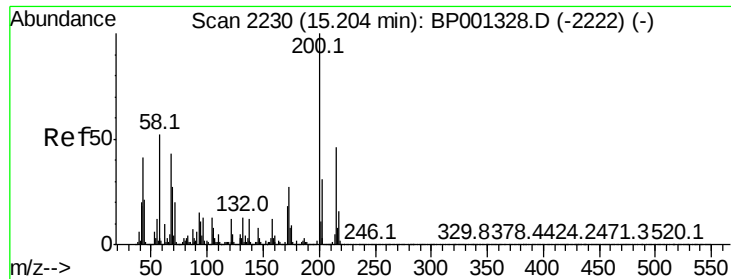
Tot Ion:248 Resp: 216072  
Ion Ratio Lower Upper  
248 100  
250 96.4 79.3 118.9  
141 93.2 77.5 116.3



#68  
Hexachlorobenzene  
Concen: 110.839 ng  
RT: 15.01 min Scan# 2197  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion:284 Resp: 245108  
Ion Ratio Lower Upper  
284 100  
142 42.5 36.1 54.1  
249 33.7 26.3 39.5

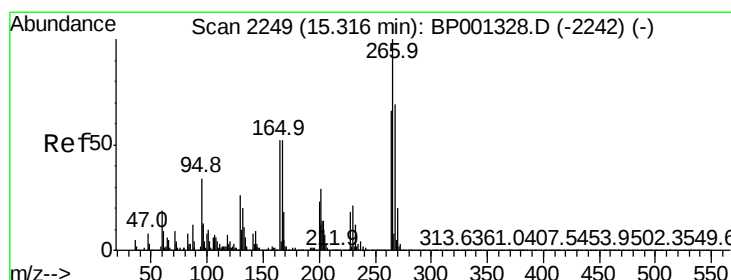
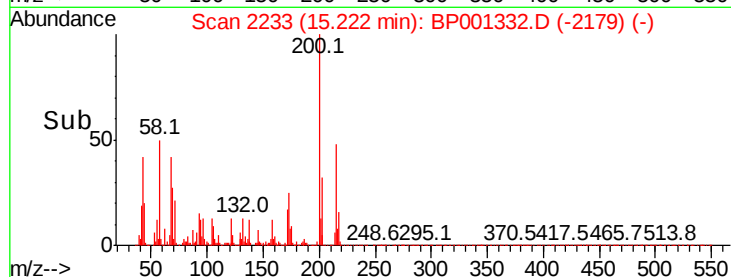
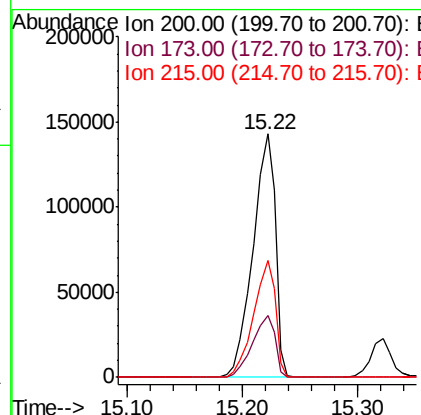
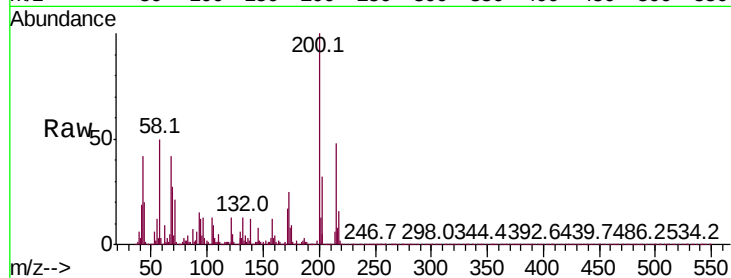




#69  
Atrazine  
Concen: 112.462 ng  
RT: 15.22 min Scan# 2233  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

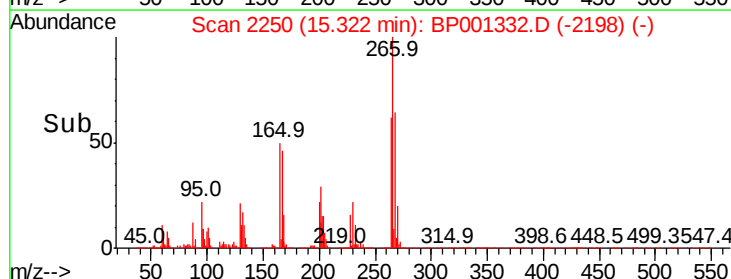
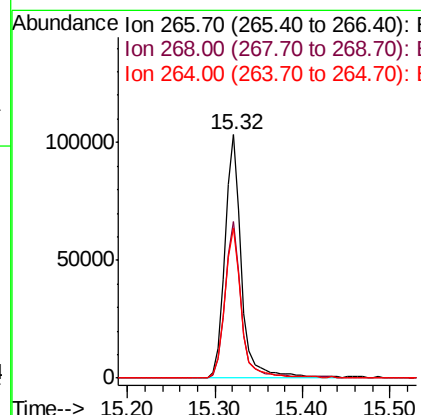
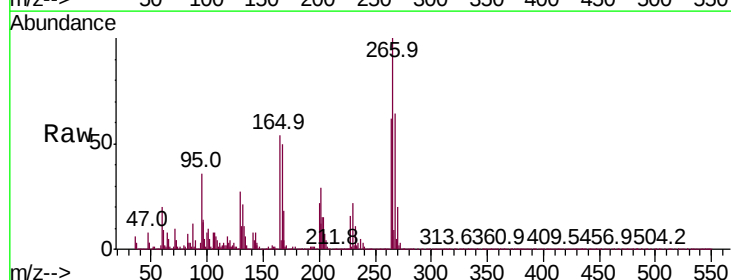
Instrument :  
BNA\_P  
ClientSampleId :

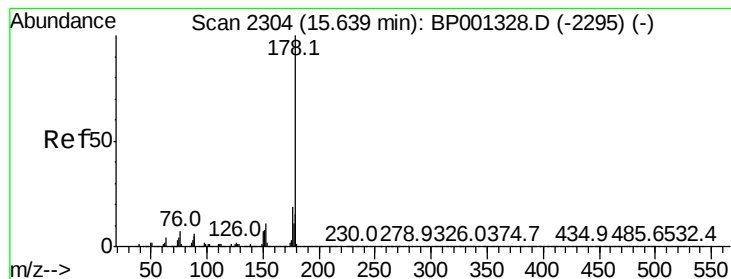
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.5  | 6.8   | 46.8  |
| 215     | 48.0  | 26.1  | 66.1  |



#70  
Pentachlorophenol  
Concen: 117.538 ng  
RT: 15.32 min Scan# 2250  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.4  | 55.4  | 83.2  |
| 264     | 61.6  | 53.2  | 79.8  |





#71

Phenanthrene

Concen: 106.242 ng

RT: 15.65 min Scan# 2305

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

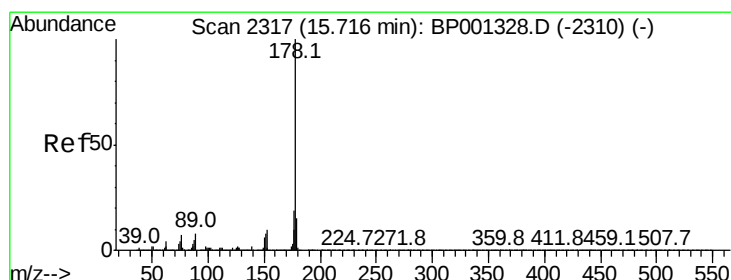
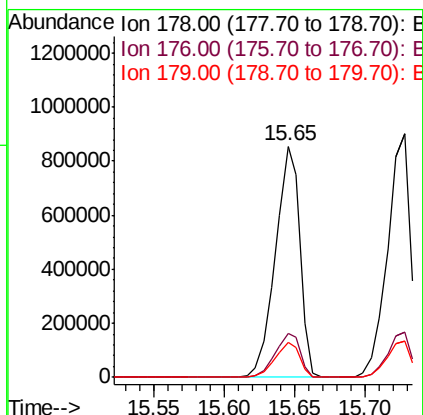
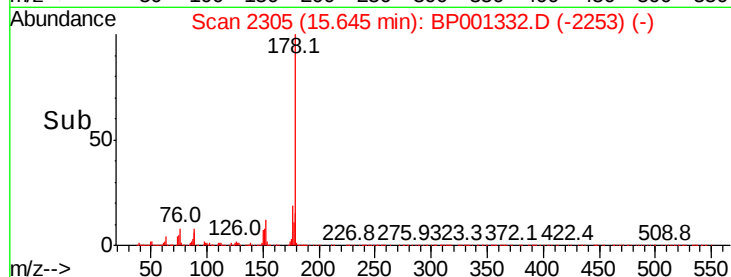
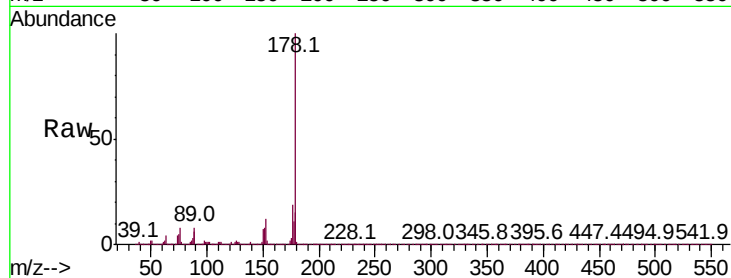
Tot Ion:178 Resp: 1034863

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 15.3 12.0 18.0



#72

Anthracene

Concen: 106.576 ng

RT: 15.73 min Scan# 2319

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

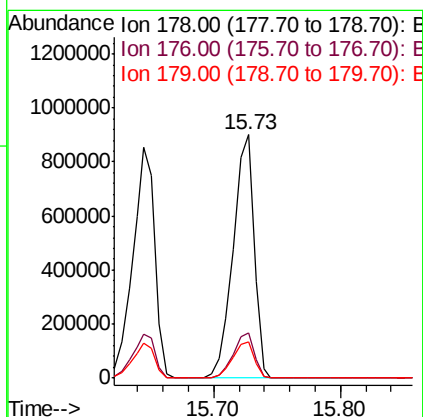
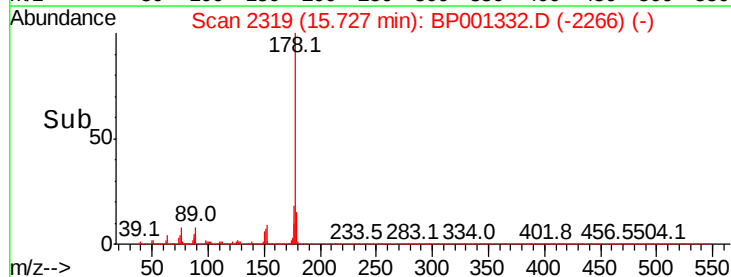
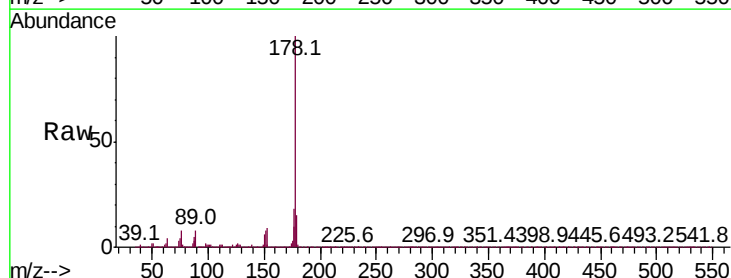
Tgt Ion:178 Resp: 1023210

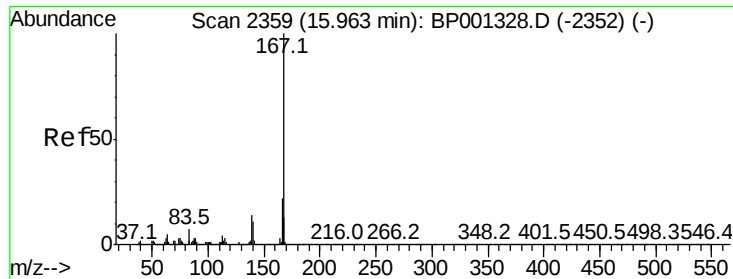
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 14.9 11.9 17.9

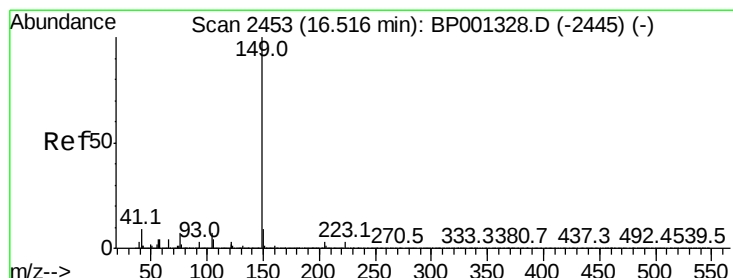
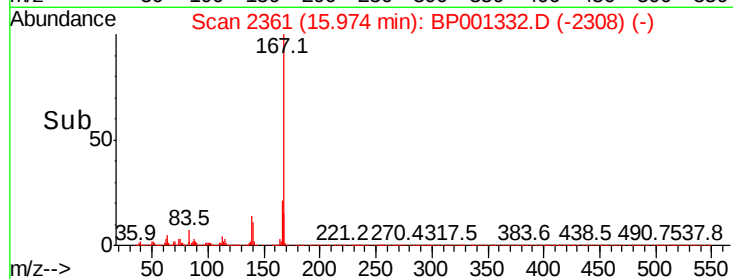
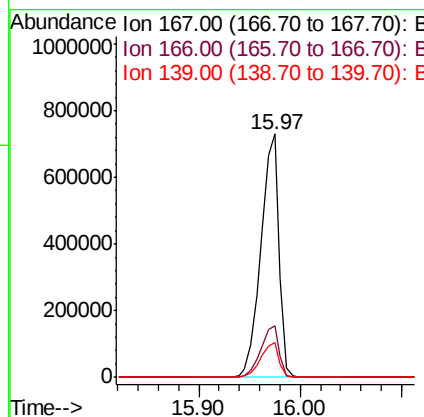
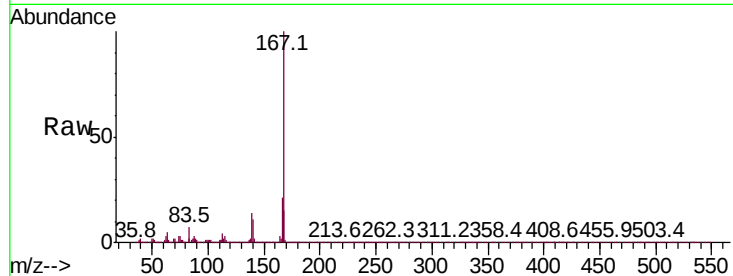




#73  
 Carbazole  
 Concen: 103.170 ng  
 RT: 15.97 min Scan# 2361  
 Delta R.T. 0.01 min  
 Lab File: BP001332.D  
 Acq: 19 Dec 2019 19:19

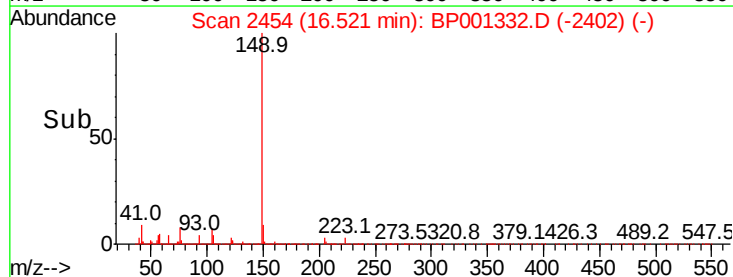
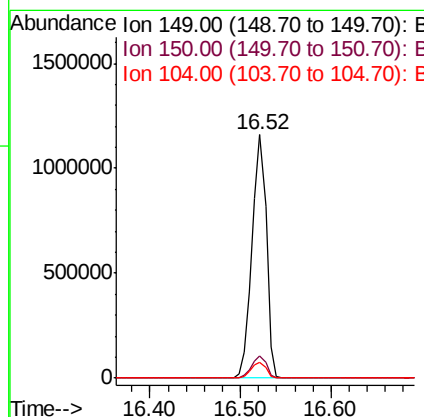
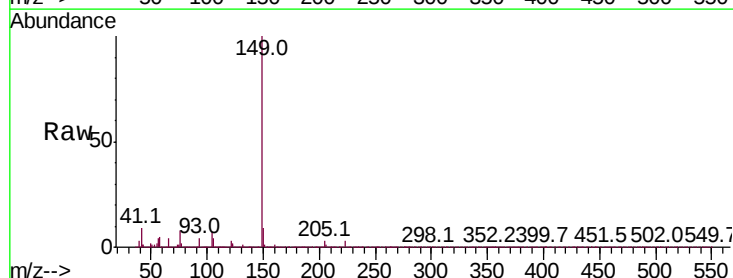
Instrument :  
 BNA\_P  
 ClientSampleId :

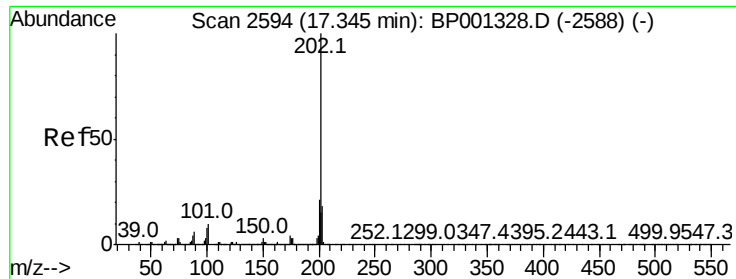
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.2  | 17.6  | 26.4  |
| 139     | 14.2  | 11.1  | 16.7  |



#74  
 Di-n-butylphthalate  
 Concen: 106.880 ng  
 RT: 16.52 min Scan# 2454  
 Delta R.T. 0.01 min  
 Lab File: BP001332.D  
 Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.0   | 7.5   | 11.3  |
| 104     | 6.7   | 5.4   | 8.2   |





#75

Fluoranthene

Concen: 112.620 ng

RT: 17.36 min Scan# 2596

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampled :

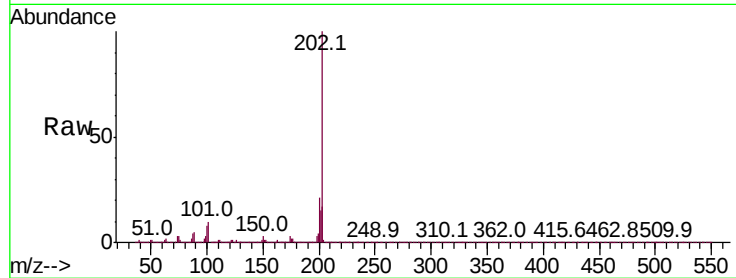
Tot Ion:202 Resp: 1161331

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.9

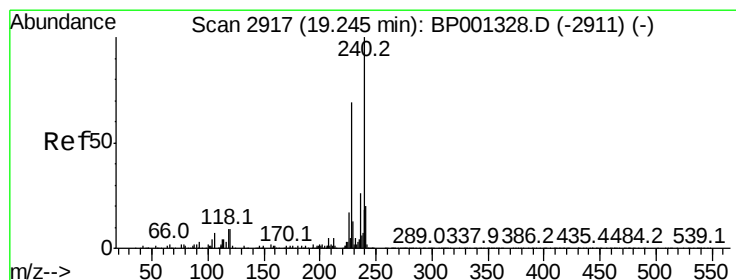
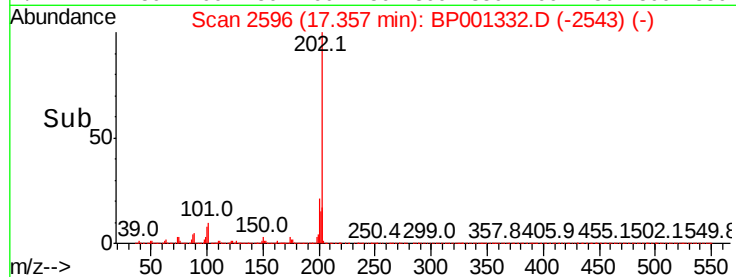
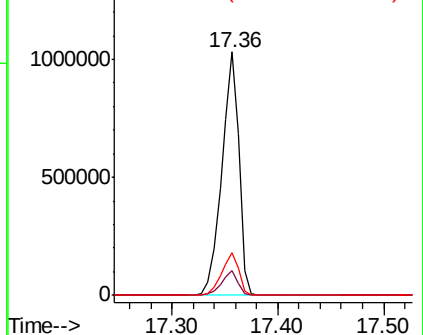
203 17.5 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.26 min Scan# 2919

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

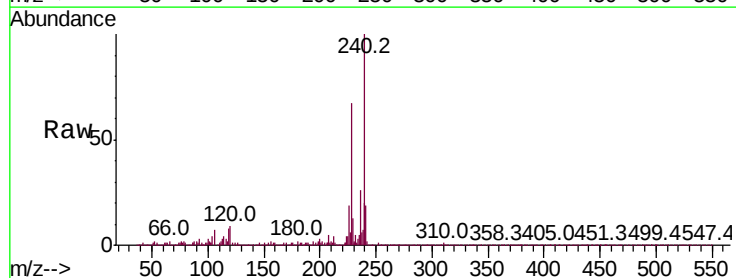
Tgt Ion:240 Resp: 152628

Ion Ratio Lower Upper

240 100

120 8.8 7.6 11.4

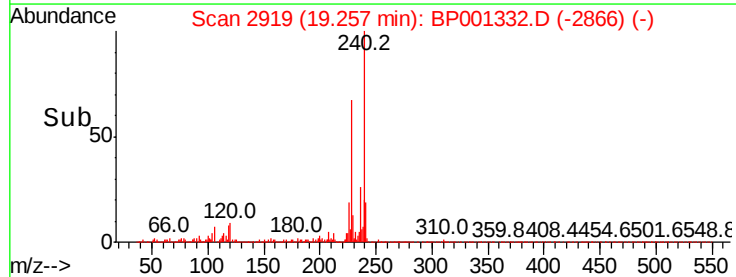
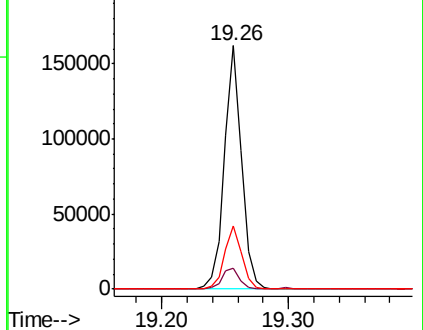
236 26.2 21.0 31.4

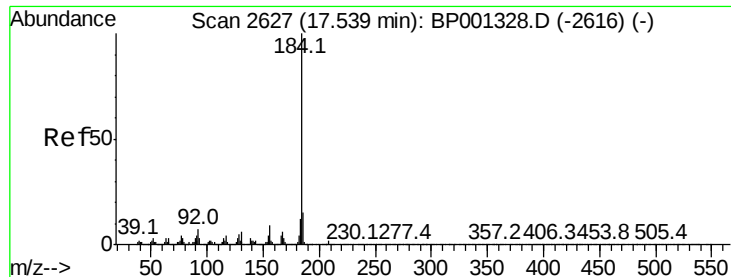


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 104.273 ng

RT: 17.54 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

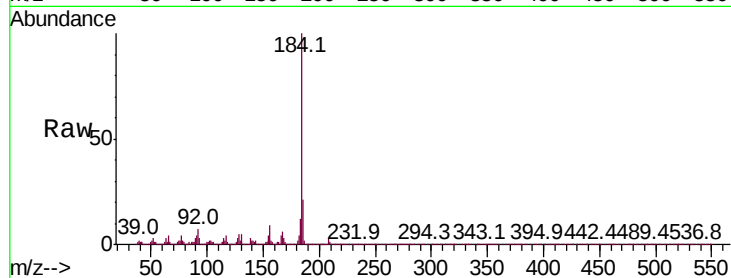
Tot Ion:184 Resp: 410911

Ion Ratio Lower Upper

184 100

185 21.2 11.7 17.5#

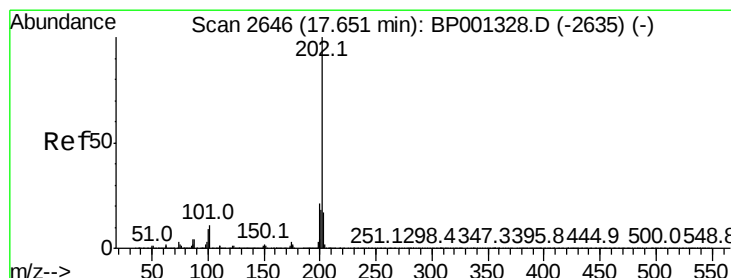
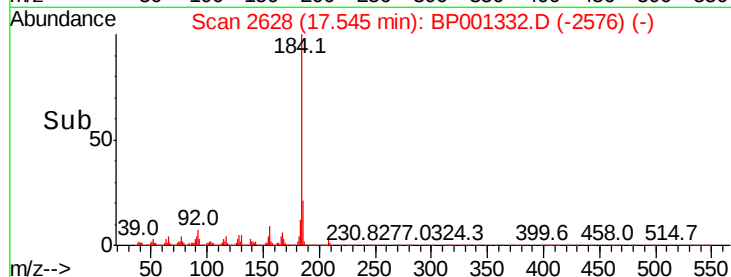
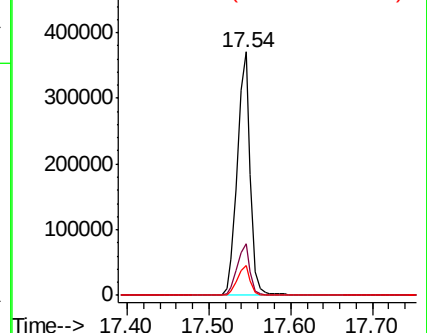
183 12.4 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 98.526 ng

RT: 17.66 min Scan# 2648

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

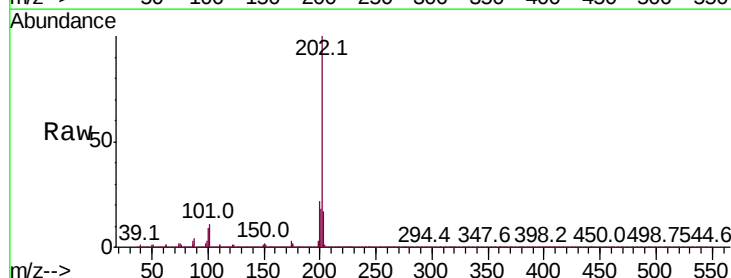
Tgt Ion:202 Resp: 1184415

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

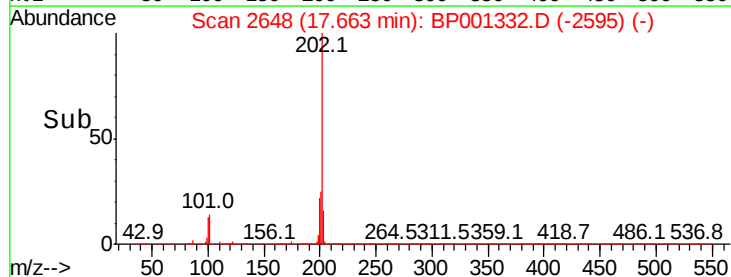
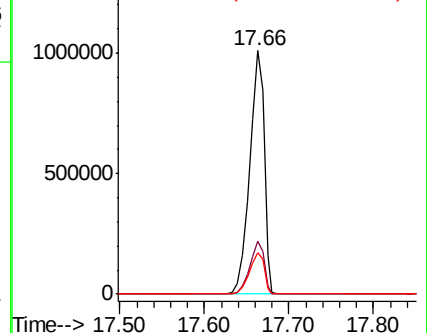
203 17.2 13.8 20.8

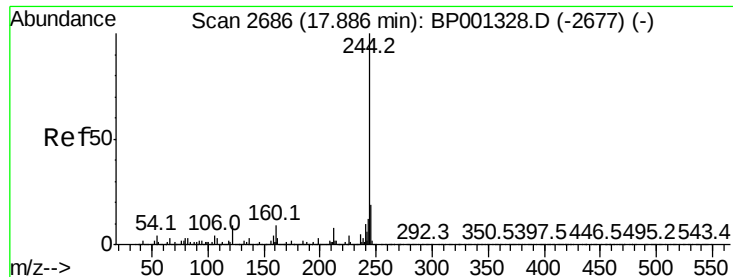


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 215.147 ng

RT: 17.90 min Scan# 2688

Delta R.T. 0.01 min

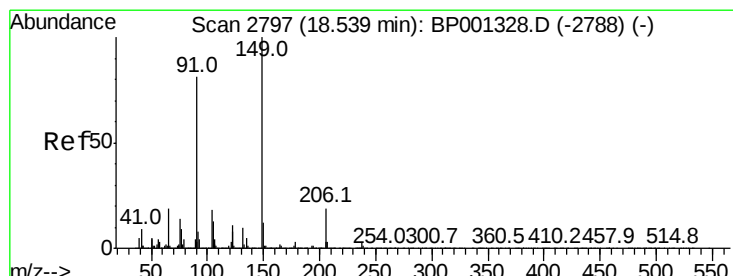
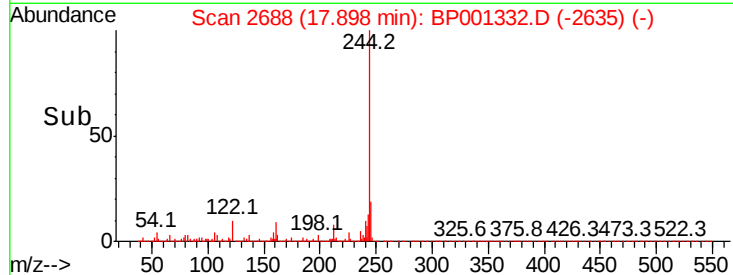
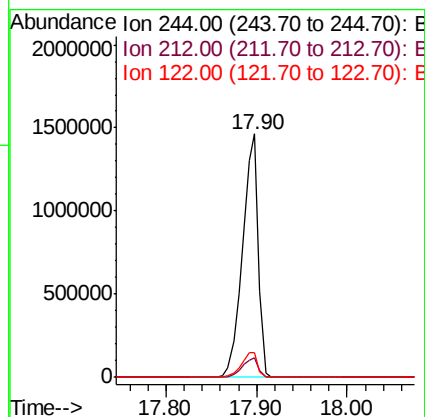
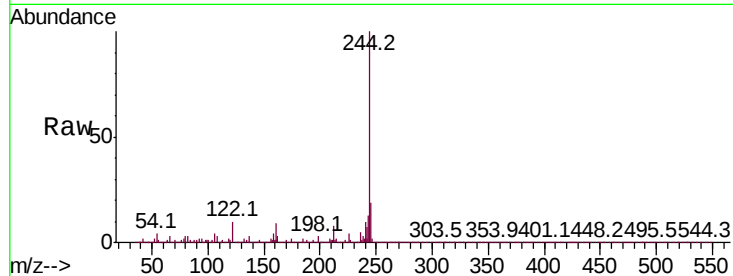
Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:244 Resp: 1774906

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.9   | 6.6   | 9.8   |
| 122 | 10.4  | 7.6   | 11.4  |



#80

Butylbenzylphthalate

Concen: 99.418 ng

RT: 18.54 min Scan# 2798

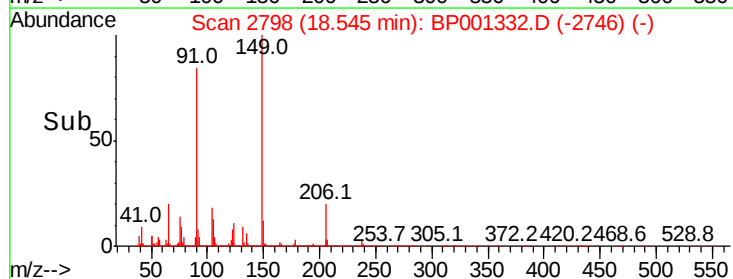
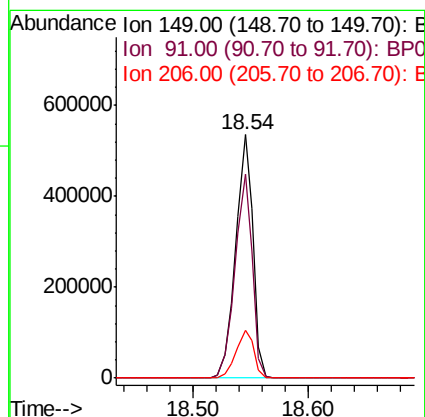
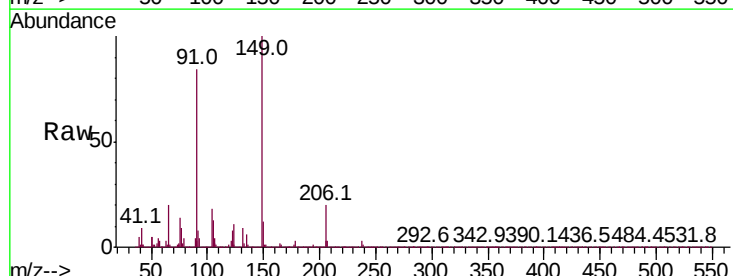
Delta R.T. 0.01 min

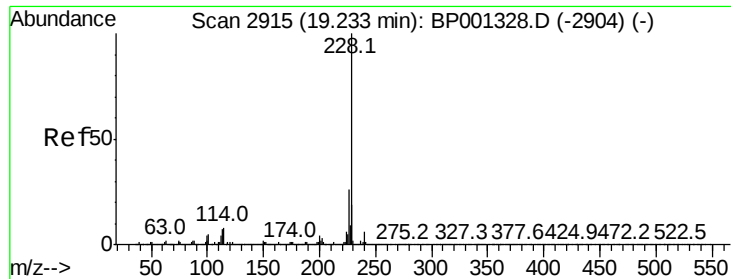
Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Tgt Ion:149 Resp: 552013

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 83.7  | 65.2  | 97.8  |
| 206 | 19.6  | 15.6  | 23.4  |

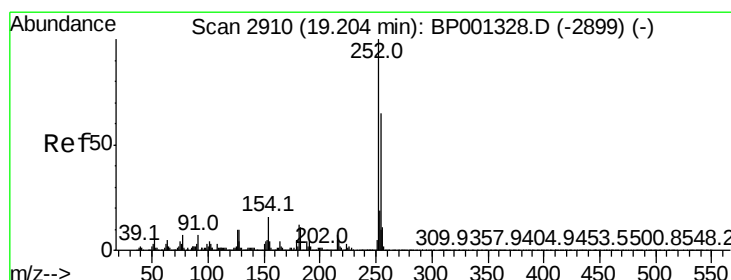
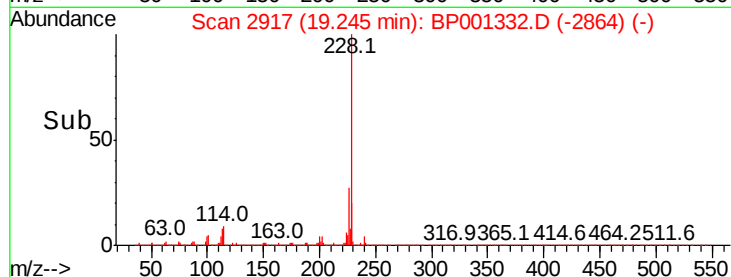
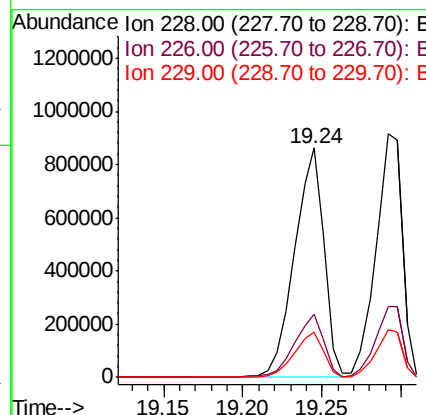
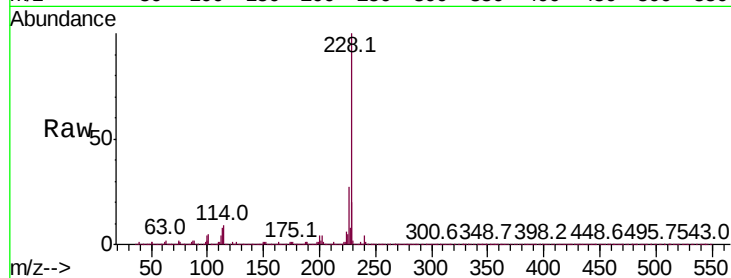




#81  
Benzo(a)anthracene  
Concen: 104.003 ng  
RT: 19.24 min Scan# 2917  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

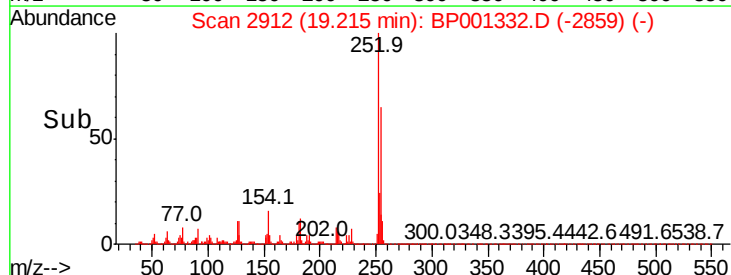
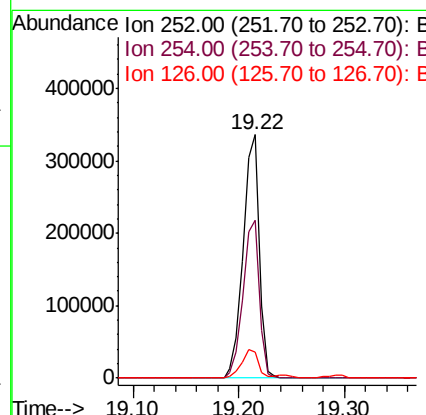
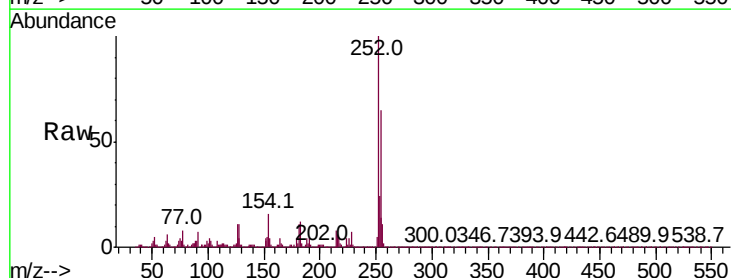
Instrument :  
BNA\_P  
ClientSampleId :

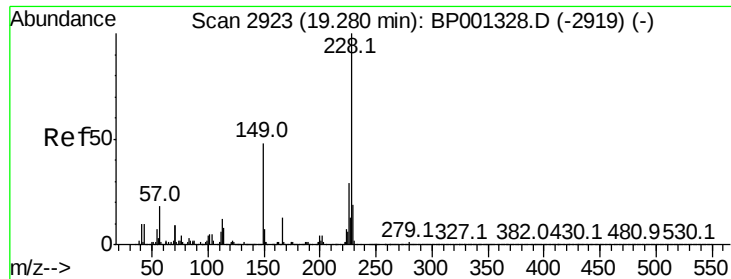
Tot Ion:228 Resp: 1100587  
Ion Ratio Lower Upper  
228 100  
226 27.2 21.2 31.8  
229 19.5 15.4 23.0



#82  
3,3'-Dichlorobenzidine  
Concen: 100.284 ng  
RT: 19.22 min Scan# 2912  
Delta R.T. 0.01 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion:252 Resp: 350589  
Ion Ratio Lower Upper  
252 100  
254 65.1 51.8 77.8  
126 10.5 8.2 12.2





#83

Chrysene

Concen: 113.056 ng

RT: 19.29 min Scan# 2925

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

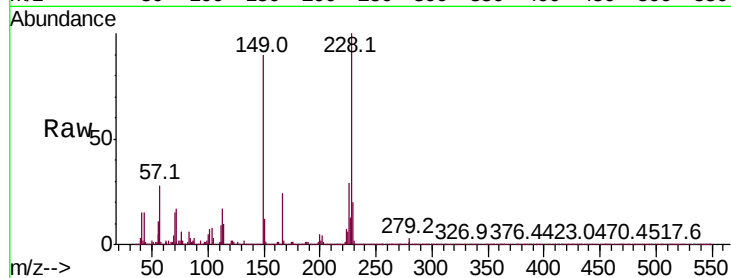
Tot Ion:228 Resp: 1071331

Ion Ratio Lower Upper

228 100

226 29.1 23.1 34.7

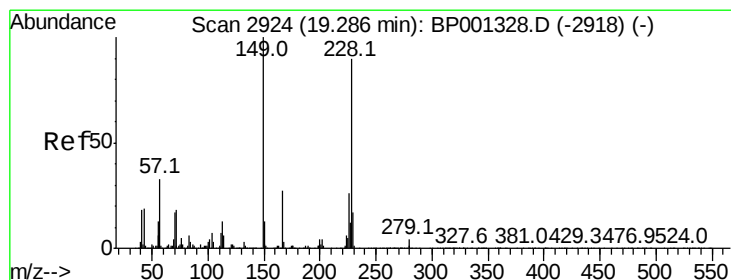
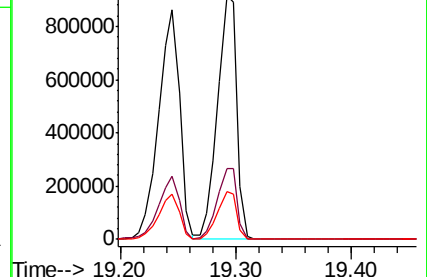
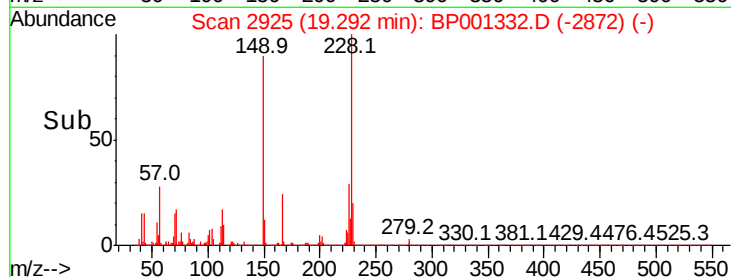
229 19.6 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 108.276 ng

RT: 19.29 min Scan# 2925

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

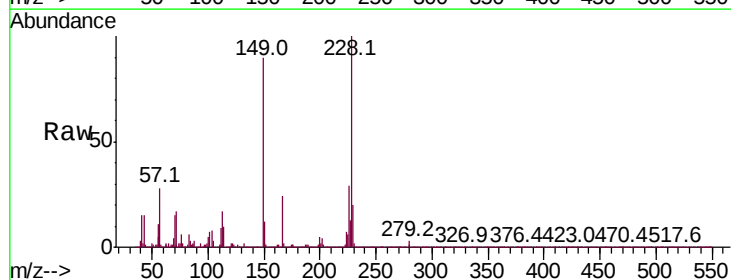
Tgt Ion:149 Resp: 826572

Ion Ratio Lower Upper

149 100

167 26.2 21.8 32.6

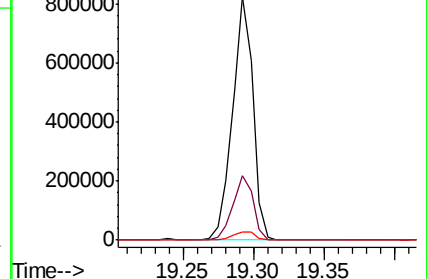
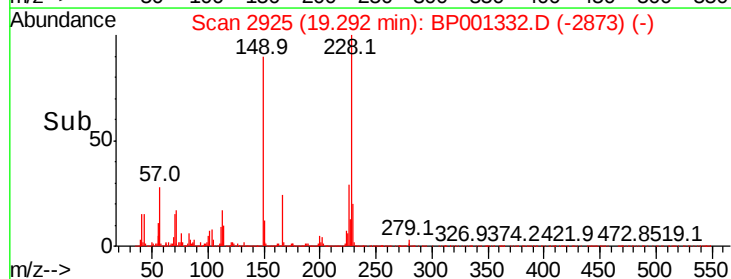
279 3.5 3.0 4.4

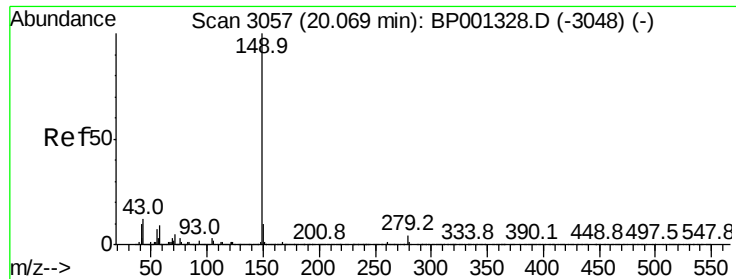


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 98.654 ng

RT: 20.07 min Scan# 3058

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

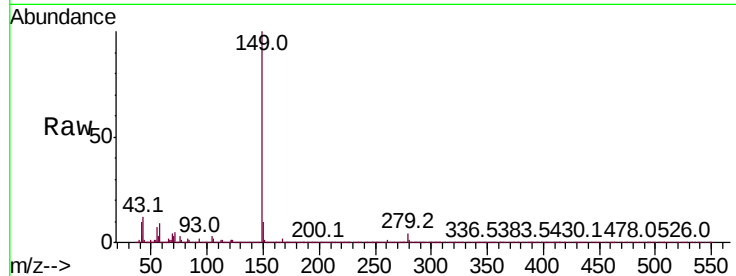
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:149 Resp: 1337844

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.5   | 1.2   | 1.8   |
| 43  | 11.6  | 9.4   | 14.2  |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BP0

20.07

1500000

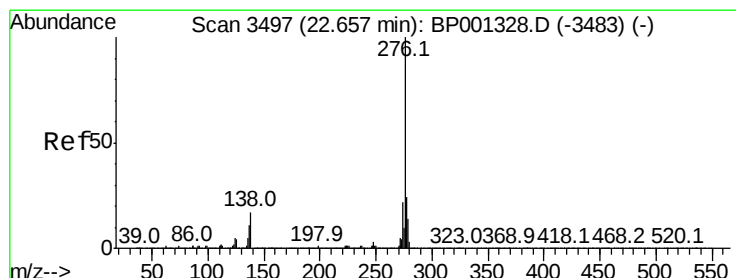
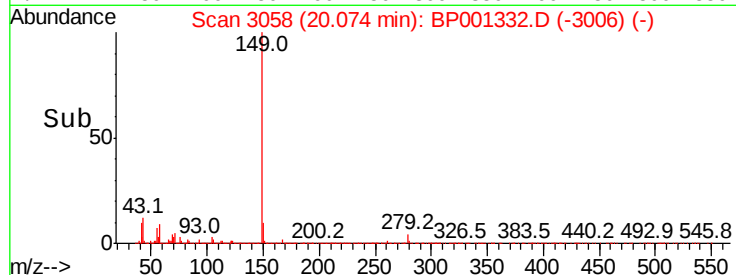
1000000

500000

0

Time-->

20.00 20.10 20.20



#86

Indeno(1,2,3-cd)pyrene

Concen: 102.184 ng

RT: 22.69 min Scan# 3502

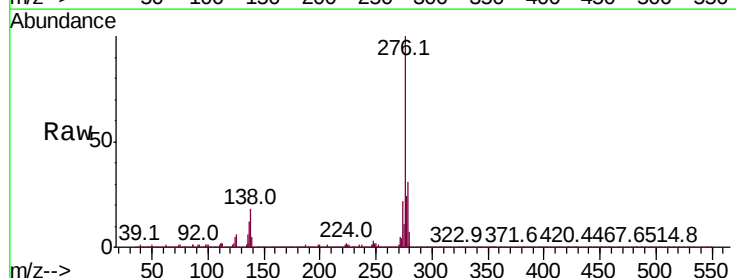
Delta R.T. 0.03 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Tgt Ion:276 Resp: 1141165

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 20.0  | 15.8  | 23.6  |
| 277 | 25.3  | 20.2  | 30.4  |



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

22.69

400000

300000

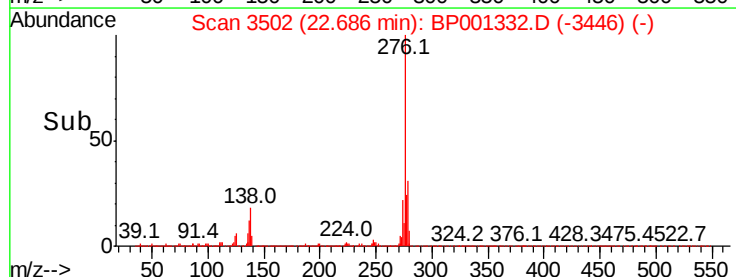
200000

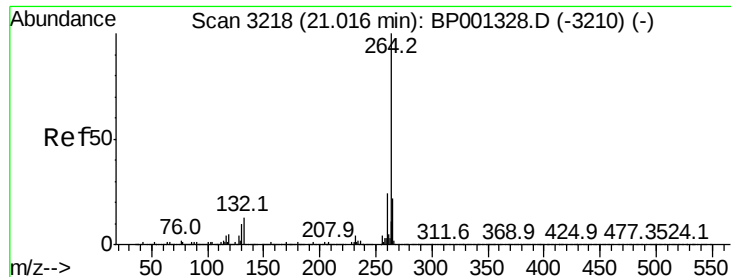
100000

0

Time-->

22.60 22.80





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.03 min Scan# 3220

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

Instrument :

BNA\_P

ClientSampleId :

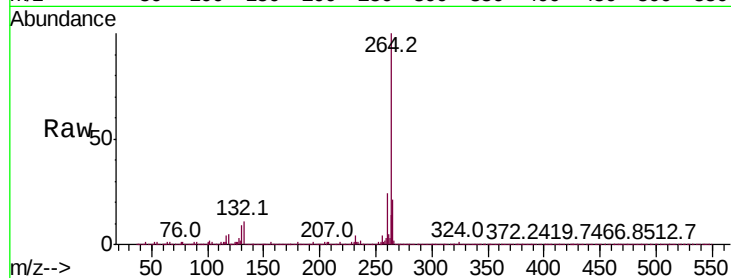
Tot Ion:264 Resp: 160782

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

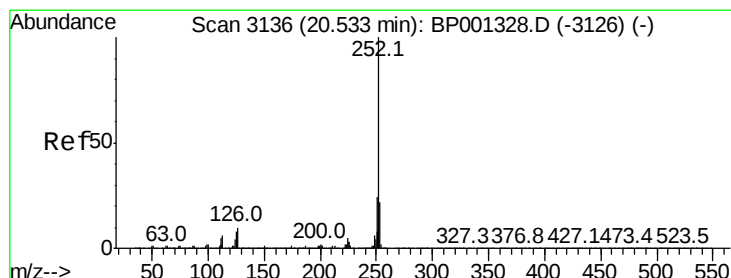
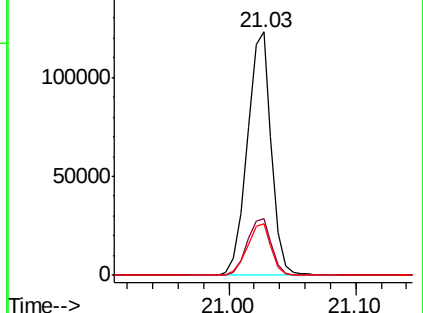
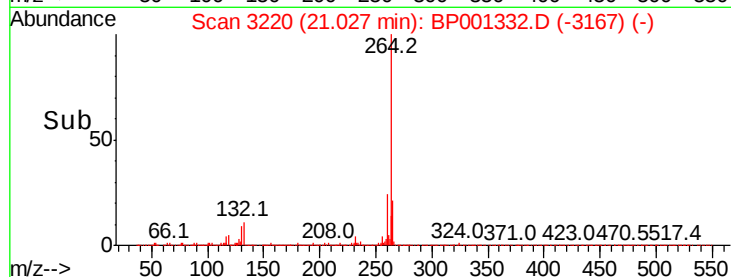
265 21.0 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 107.555 ng

RT: 20.54 min Scan# 3138

Delta R.T. 0.01 min

Lab File: BP001332.D

Acq: 19 Dec 2019 19:19

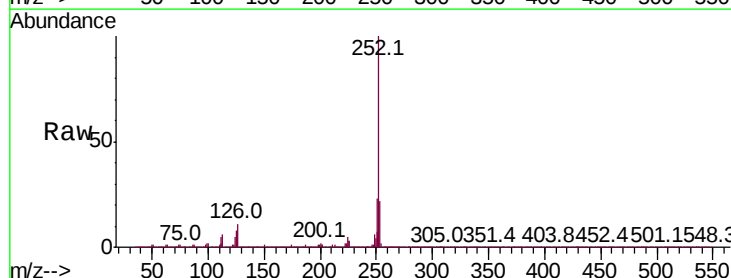
Tgt Ion:252 Resp: 1056245

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

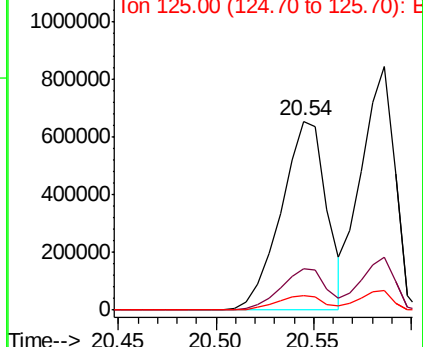
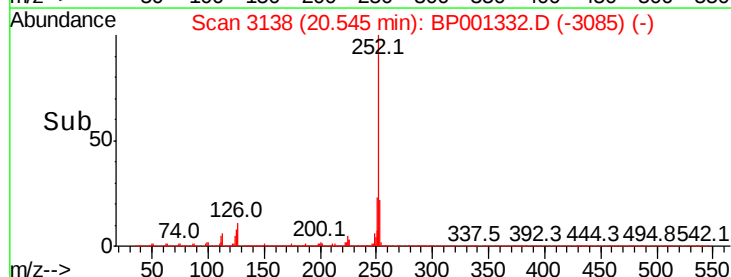
125 7.9 6.3 9.5

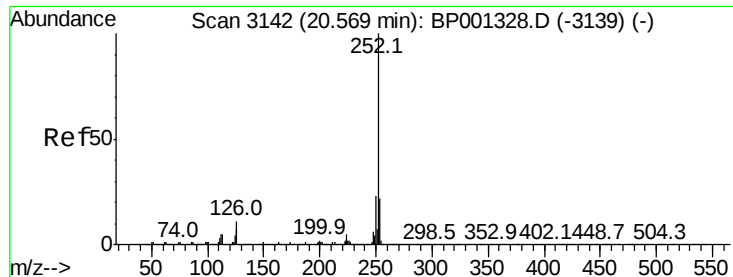


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

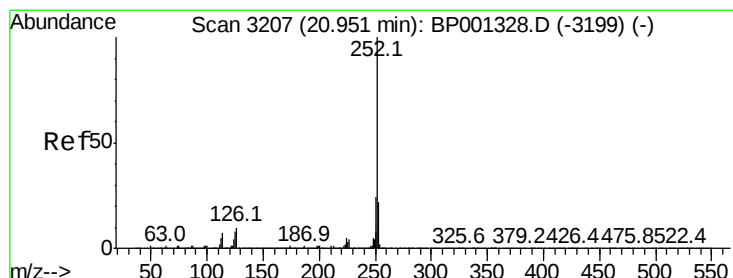
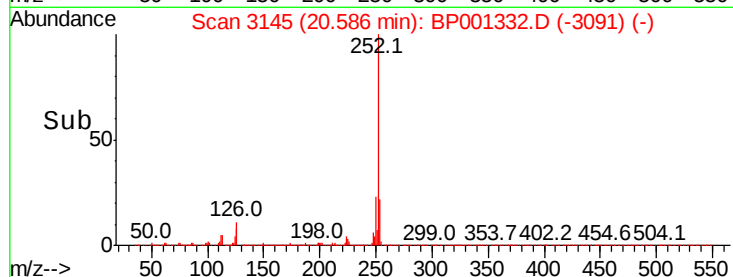
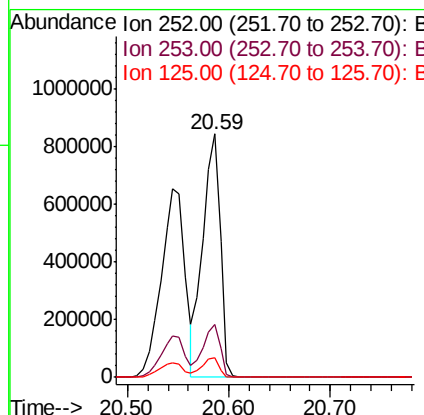
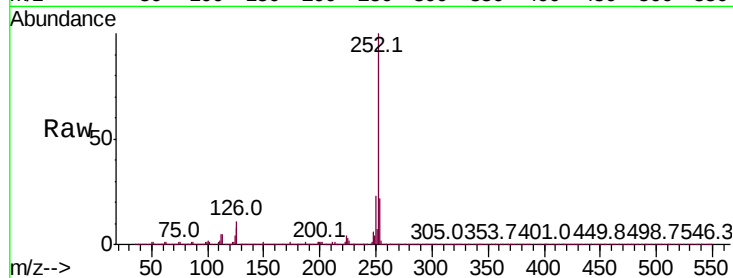




#89  
Benzo(k)fluoranthene  
Concen: 106.771 ng  
RT: 20.59 min Scan# 3145  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

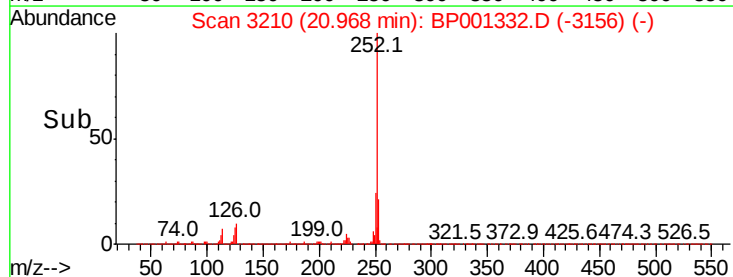
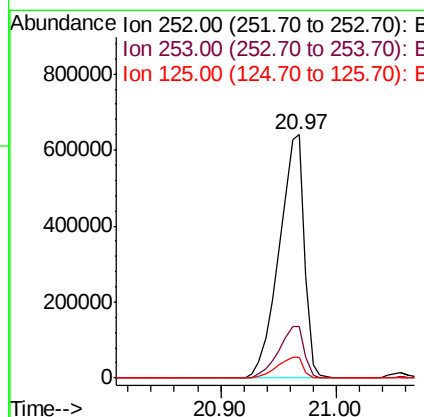
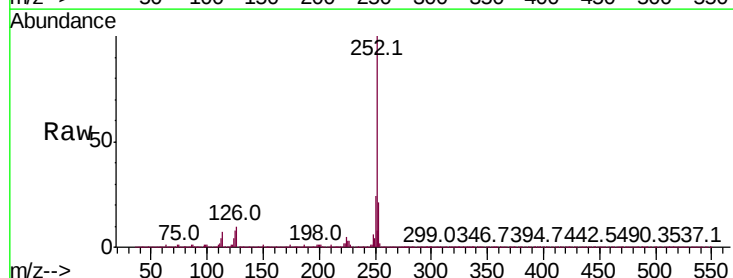
Instrument :  
BNA\_P  
ClientSampleId :

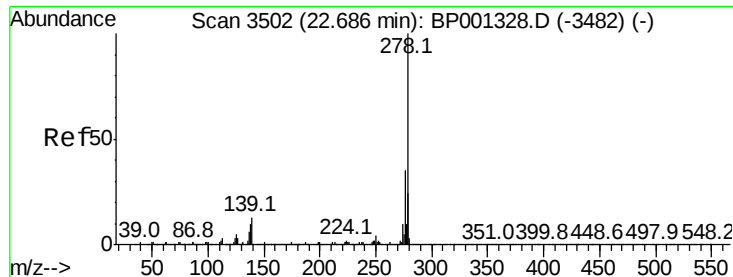
Tot Ion:252 Resp: 1009905  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.4 26.0  
125 7.9 5.9 8.9



#90  
Benzo(a)pyrene  
Concen: 107.341 ng  
RT: 20.97 min Scan# 3210  
Delta R.T. 0.02 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Tgt Ion:252 Resp: 970971  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.7 26.5  
125 8.3 6.3 9.5

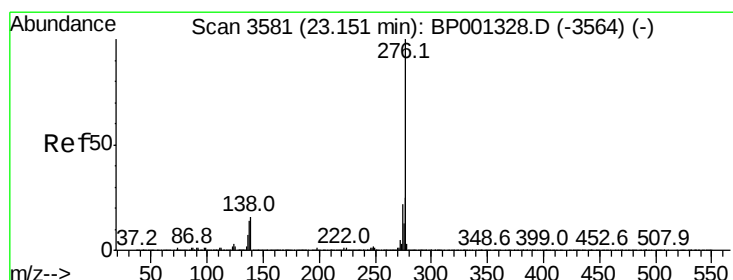
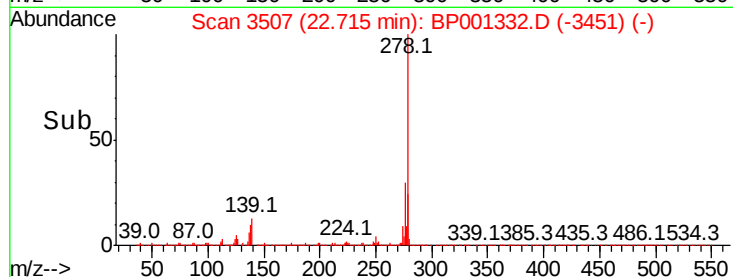
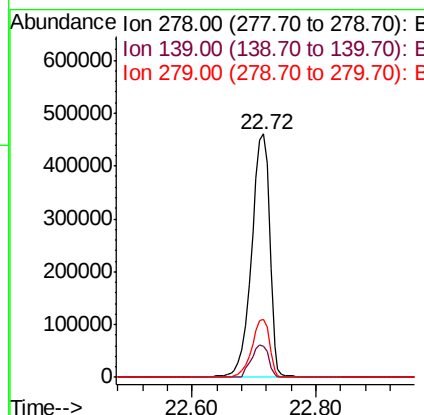
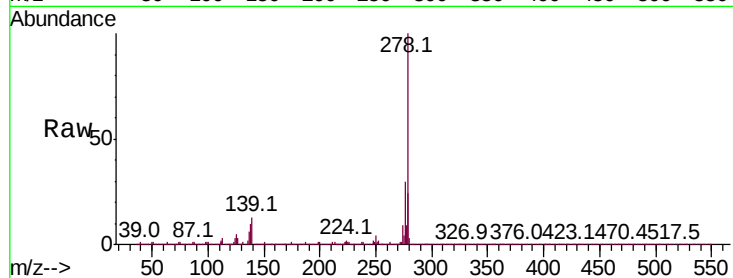




#91  
Dibenzo(a,h)anthracene  
Concen: 106.142 ng  
RT: 22.72 min Scan# 3507  
Delta R.T. 0.03 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 12.7  | 10.3  | 15.5  |
| 279     | 23.7  | 19.6  | 29.4  |



#92  
Benzo(g,h,i)perylene  
Concen: 101.616 ng  
RT: 23.19 min Scan# 3587  
Delta R.T. 0.04 min  
Lab File: BP001332.D  
Acq: 19 Dec 2019 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.7  | 19.6  | 29.4  |
| 138     | 17.6  | 12.6  | 18.8  |

